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NATIONAL WATER QUALITY NETWORK ANNUAL COMPILATION OF DATA, OCTOBER 1, 1959-SEPTEMBER 30, 1960

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio

1960

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National Water Quality Network

ANNUAL COMPILATION OF DATA

October 1, 1959 - September 30, 1960

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A Federal, State and local cooperative report on water quality determinations of surface waters at selected locations throughout the United States

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Division of Water Supply and Pollution Control — Robert A. Taft Sanitary Engineering Center

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National Water Quality Network
Annual Compilation of Data, October 1, 1958 – September 30, 1959
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PUBLIC HEALTH SERVICE PUBLICATION NO. 663

(1960 Edition)

FOREWORD

This is the third annual compilation of data from the National Water Quality Network of the Public Health Service. Again the data have revealed some very interesting findings which can be applied directly to problems of water quality evaluation.

During this past year an increasing number of State and other non-Federal agencies have taken an active interest in the field of water quality measurement. The mounting nationwide necessity for conserving our water resources has been a major incentive in stimulating this interest. Our own Network has been increased from 54 to 72 stations during this data year, with additional expansion still underway.

The Public Health Service acknowledges, with deep appreciation, the assistance rendered by the many local, State, interstate, and Federal agencies concerned with water quality management. Their continued interest and support will assure, in a large measure, the success of this program.

Gordon E. McCallum

GORDON E. MCCALLUM,
Chief,
Division of Water Supply and Pollution Control.

ACKNOWLEDGMENTS

In order to increase the usefulness of the water quality data, this year's compilation also includes preliminary and unadjusted flow data for gauging stations at or near most of the sampling points. Although the flows are provisional and subject to final revision, they are considered sufficiently reliable for use in determining significant stream loadings and changes in water quality between the sampling points.

The final data may be obtained directly from the agency concerned. It is suggested, therefore, that the provisional data be verified prior to completion of reports on studies in which such data have been used.

The Public Health Service is deeply grateful to the following agencies for making flow information available for this publication:

International Boundary and Water Commission, United States and Mexico.
U.S. Department of the Interior:
Bureau of Reclamation.
Geological Survey.
U.S. Department of the Army:
Corps of Engineers.
Lake Survey.

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at Ruliff, Texas	85	165	229	-	417
SAVANNAH RIVER					
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NATIONAL WATER QUALITY NETWORK

The Public Health Service program for providing fundamental information on the quality of the Nation's waters stems from the provisions of Section 4(c) of Public Law 660, enacted on July 9, 1956, which states that ". . . the Surgeon General shall, in cooperation with other Federal, State, and local agencies having related responsibilities, collect and disseminate basic data on chemical, physical, and biological water quality insofar as such data or other information relate to water pollution and the prevention and control thereof."

To fulfill this responsibility, the Network provides for collection, interpretation, and dissemination of:

a. Information on changes in water quality at key points in river systems, as such quality may be affected by changes in water use and development.

b. Continuous information on the nature and extent of pollutants affecting water quality.

c. Data which will be useful in the development of comprehensive water resources programs.

d. Data which will assist State, interstate, and other agencies in their water pollution control programs, and in the selection of sites for legitimate water uses.

Approximately 50 sampling locations were established for the initial phase of this program, starting October 1, 1957. By September 30, 1960 a total of 72 sampling stations had been established.

To conform with existing practices in other resources activities, the data year covers the period October 1 to September 30 of the following year.

Each sampling location satisfies one or more of the following criteria:

a. Major waterways used for public water supply, propagation of fish and wildlife, recreational purposes, and agricultural, industrial, and other legitimate uses.

b. Interstate, coastal, and International boundary waters.

c. Waters on which activities of the Federal Government may have an impact.

Final locations of sampling stations are fixed after discussions with local, State, Federal, and other agencies having related interests.

Active local participation is an important part of this operation and assures the development of the maximum amount of information of value locally and nationally. The cost of the program is shared by the Federal Government with State and local agencies, through the latter's contributions of laboratory time and sampling manpower. Specifically, the State and local agencies perform most of the conventional chemical analyses and collect samples for the newer, more complex examinations. The Public Health Service, in turn, performs the more complex determinations and makes the results available to the participants. In addition, the consultation, training facilities, and other resources of the Public Health Service are available to the cooperating agencies.

The locations of sampling stations in operation during the data year October 1, 1959, to September 30, 1960, are shown in figure 1. Descriptions of the stations, with the participating agencies and other pertinent information, are presented in table 1.

The following examinations, selected after careful screening, and consultation with the various agencies concerned with water quality management and water resources development, are considered to be of greatest value in meeting the objectives of the program:

a. Radioactivity.
   (1) Gross alpha.
   (2) Gross beta.
   (3) Strontium 90.

b. Plankton populations.

c. Coliform organisms.

d. Organic chemicals.

e. Biochemical, chemical, and physical measurements, including biochemical oxygen demand (B.O.D.), dissolved oxygen (D.O.), chemical oxygen demand (C.O.D.), chlorine demand, ammonia nitrogen, hydrogen ion concentration (pH), color, turbidity, temperature, alkalinity (or acidity), hardness, chloride, sulfate, and total dissolved solids.

f. Trace elements.

Samples for groups c and e, above, were collected and analyzed weekly. Samples for organic chemicals were collected monthly, while the schedule for plankton organism examinations was increased from monthly to semimonthly during this data year. Radioactivity samples were collected and analyzed once weekly except where levels were continuously at or near natural background. For such locations the collections were continued on a weekly basis but the examinations were performed on composites. Strontium 90 analyses were made on composites of weekly samples accumulated over a 3-month period. Generally one-fourth of the stations were scheduled for this determination during each 3-month period. Stations were selected so that at least one Sr^{90} analysis was made in each river basin during each quarter, with at least one examination at each station during the data year. Trace elements are determined on 2-month composites of weekly samples. New parameters which are developed and found significant will be included as the program continues.

ANALYTICAL METHODS AND RELIABILITY OF DATA

The physical, chemical, and biochemical data included in this publication are the result of cooperative efforts of the several agencies listed in table 1, column 6. In general, most of these measurements were contributed by their laboratories. While it is recognized that modifications to meet local conditions are made by individual laboratories, the methods used in most cases are those published in the 11th edition, "Standard Methods for the Examination of Water and Wastewater." For uniformity, the chlorine demand test is reported on the basis of the starch-iodide titration procedure, and the chemical oxygen demand test is restricted to the use of 0.025 N reagents.

To assure continued reliability in the published data, frequent analysis of reference by each cooperating laboratory constitutes an integral part of the overall program. Periodically a synthetic standard sample is provided to each participant for reference analysis. The reported results are reviewed. Any significant errors are called to the attention of the reporting laboratory and, after the cause of the errors has been determined, the previously submitted data are either corrected or discarded. From these findings, the analyses reported in this compilation are believed to be accurate to ± 10 percent of the reported values.

The analytical methods used by the Public Health Service laboratories are described in the discussion of water quality parameters which follows, and are covered by several of the references listed in the Bibliography.

WATER QUALITY PARAMETERS

In the assessment of water quality all of the legitimate purposes for which raw waters can be used, and which may be affected by pollution must be considered. These may range from the minimum requirements necessary for navigation to the ultimate in water quality demanded for special industrial processing. Quality needs differ considerably, therefore, according to water use.

For domestic use, water must be free of disease organisms, clear, colorless, taste- and odor-free, and have a relatively low dissolved mineral content. Agricultural water is judged primarily on its mineral content, especially with respect to the ratio between sodium and other cations, and the presence of boron. Water for fish propagation and recreational purposes must be relatively free from domestic and industrial pollution and must be able to sustain

an active flora of the smaller aquatic organisms on which fish and wildlife feed. Industrial water quality demands run the gamut from the complete absence of minerals to a requirement of low temperature, the critical factor in water used for cooling. The effects of radioactive materials on these uses have not yet been fully appraised.

The various laboratory examinations made as part of this program are discussed below.

RADIOACTIVITY

Radioactivity, long recognized as a contaminant of water from natural sources, has continued to grow in importance and health significance with the development of nuclear energy for both military and peaceful use. Consequently, levels must be measured continually as new sources are established.

Gross alpha and beta measurements are made on both suspended and dissolved solids in the raw surface water samples. The total radioactivity in the dissolved solids provides a rough measure of the levels which may be found in a treated water, where water treatment removes substantially all of the suspended matter.

Alpha levels reflect the activity added by uranium and thorium daughters. Beta activity levels generally reflect the variable contamination due to fallout, nuclear energy installations, institutions utilizing radioactive materials, and other manmade sources.

Gross levels are informative in evaluating long-term trends or changes in water quality. By themselves, however, they are of limited value in assessing radiation exposure. Where gross results are consistently over the maximum permissible concentrations for mixed fission products, the identity of the specific radionuclides involved must be established.

Because of its significance in the environment, the contribution of Strontium 90 to the dissolved activity is also reported. The levels found were all low. (The guide for average daily intake of strontium 90 used by the Department of Health, Education, and Welfare is presently 33 micromicrocuries per liter or kilogram of total dietary intake averaged over a period of 1 year. There is no comparable single standard for gross beta activity because of the many different radionuclides that may be present.)

POPULATIONS OF PLANKTON

Many aquatic organisms are sensitive to the various substances which enrich or pollute water. Some of these develop only in relatively clean water, while others may be stimulated to live and multiply in the presence of certain types of pollutants, especially household sewage and certain kinds of industrial wastes. On the other hand, excessive toxic substances may reduce or eradicate planktonic crops. Large populations of algae are sometimes induced to develop by mineralized products of sewage decomposition when nitrates and phosphates are made available as nutrients. Planktonic organisms are also important because of their ability to concentrate a wide variety of radionuclides. Impoundment of water by navigation or hydroelectric dams often increases the density of planktonic blooms.

The plankton data give the numbers, kinds and occurrences of algae and other aquatic microorganisms in the water. This information is useful in determining the pollutional status of any water resource, and in indicating the relative numbers of organisms which may cause problems in the treatment and use of water.

These organisms interfere with water use through shortening of filter runs in treatment plants, and by causing tastes, odors, coloration and various chemical and physical changes in the water environment. By reference to the plankton counts, made regularly and frequently, it is possible to determine the procedures that will be required in treating the water for use.

In the stream or lake itself, many planktonic organisms are known to improve water quality by providing food and oxygen for desirable aquatic life and by aiding in the recovery of polluted water. Other such organisms, however, may cause detrimental conditions through formation of unsightly blooms and mats, development of slime growths, and the killing of fish and other animals as the result of releasing toxic products, using up the avail-

able supply of oxygen and exerting a biochemical oxygen demand upon death and decomposition.

Domestic and industrial wastes influence the kinds and numbers (or diversity) of organisms. Hence, plankton may reflect changes in water quality resulting from changes in the wastes containing suspended and dissolved substances.

Data on plankton dynamics will be particularly useful in water quality evaluation when they have been recorded over a long period of time to indicate variations in kinds and numbers of organisms from month to month and from year to year.

Counting Procedures

The identification and enumeration procedures used are aimed at bringing about maximum accuracy in the data reported. The procedures involve the simplification and standardization of methods of enumeration of each type of the many organisms observed. The actual volume of sample used for the analysis is relatively large, and this tends to produce greater accuracy. Organisms are identified to genus or generic group, with the diatoms being further identified to species.

Each sample consists of three liters of raw water, collected directly from the stream or a treatment plant intake. The sample is preserved during shipment by adding 100 ml. of preservative solution (0.08 percent Thimerosal plus 1 percent Lugol's solution). Because many live protozoa are not identifiable after preservation, a 25 ml. unpreserved sample is collected and examined with each of the large samples. The data from the smaller sample is used for qualitative purposes only.

Phytoplankters are counted on the Sedgwick-Rafter slide. The analysis for nannoplankton is made by counting a 100-mm. strip on the Sedgwick-Rafter slide, using a 200× magnification. The tiny centric and pennate diatoms (those not forming filaments or colonies) are identified from specially prepared hyrax slides using 900× magnification and apochromatic resolution.

Rotifers and crustaceans were counted under the dissecting microscope, using a 50 ml. preserved aliquot during the first 6 months of this data year. This was found to be unsatisfactory. Therefore, during the last half year a liter of raw sample was settled and the sediment counted for rotifers and crustaceans, using a slide measuring 80 × 50 × 2 mm. and 100× magnification under a compound microscope. These animals are known to be heavy consumers of plankton and organic detritus.

Large populations of fungal hyphae and sheathed bacteria appear at some stations during the warm seasons and when crops of plankton have been standing during impoundment. The presence of large populations of these could indicate that the water from which the sample was taken is in a state of decomposition.

Unusual Observations

In addition to the true plankton, some benthic, or bottom organisms are often present in the water, especially after periods of rainfall when the latter are washed in from their normal habitats. Examples include the stalked diatoms *Gomphonema*, *Achnanthes* and *Cymbella;* some motile forms of Navicula; and attached filamentous algae such as *Stigeoclonium*, *Oedogonium* and *Ulothrix*. Rain water also carries into the stream various fragments of tissues from land plants and animals. Pollen grains, mold spores, and plant hairs which drop into the water from the atmosphere are also frequently encountered. Some forms are initially benthic, but later become planktonic.

Metal and crystal particles, not associated with natural waters but dispersed in raw water samples, have been found in a few samples during the examination for plankton. These particles have been traced for considerable distances through examination of downstream samples.

ORGANIC CHEMICALS

The Nation's water resources continue to receive increasing quantities of organic contaminants. Since 1940 the chemical industry, particularly in the manufacture of synthetic and petrochemicals, has experienced an enormous expansion that shows every sign of continuing. Each year millions of pounds of synthetic detergents, insecticides, herbicides, and similar domestic products find their way into our streams from household sewers, industrial waste discharges, and land runoff.

Effective and economical treatment methods for most of the complex organic materials remain to be developed. Even where treatment exists, residues remain in sufficient quantity to cause water damage. These stable residues persist through sewage treatment, biological and chemical action of the stream, and water treatment processes, and finally reach the consumer in drinking water.

The presence of some of these materials, even at concentrations considerably less than 1 part per million, may cause impairment of water quality, most noticeably in production of tastes and odors. Fishflesh tainting, also quickly noticed by the consumer, is another damage. Effects on water treatment, many of which are ill-defined at present, and impairment of water quality for industrial uses are being reported with increasing frequency. Essentially nothing is known of the possible immediate or long-term effects of these materials on human health. Such information is urgently needed.

The usual sanitary analyses are not effective in measuring these newer organic contaminants. Yet it is essential to know something of their concentrations and character. The concentration method known as the "Carbon Adsorption Technique," developed by the Public Health Service, permits the concentration of these organic compounds from a large volume of water. Elutriation of the adsorbed materials with organic solvents, followed by chemical separation and testing, provides useful information concerning organic pollution and for assaying river systems for these substances.

It is difficult to say what part of the "total organic" content is measured, since there is no accurate method for measuring the low concentrations of organics. Work with known solutions has indicated that adsorption may be close to 100 percent and that desorption under the conditions of the test may range from 50 to 90 percent. The sampling and analytical techniques are reproducible with ± 10 percent when applied to replicate samples. Hence, relative pollutional loads on streams can be compared even though the absolute total quantity may not be accurately known.

Following continuous flow of about 5,000 gallons of water through the carbon adsorption column over a 10 to 14-day period, material on the carbon adsorbtion column is extracted with two solvents, chloroform and alcohol.

The amounts of extracts are weighed, and the concentration of these materials in the water tested is then computed. Results are recorded in parts per billion (micrograms per liter). Clean waters may contain 20 to 50 ppb. of chloroform extractables and 50 to 100 ppb. of alcohol extractables. Polluted waters contain several times these concentrations.

Chloroform Extracts

The organic residue recovered from the carbon adsorption column by chloroform is very complex. It is desirable to separate the crude extract into certain broad chemical classes, and this can be done on the basis of solubility differences. The various classes or groups and their general significance are discussed briefly below.

Ether Insolubles

This group is usually a brown, humuslike powder, apparently composed to a large extent of carboxylic acids, ketones, and alcohols of complicated structure. Origin of the group, which is an indicator of "old" pollution, is believed to be partially oxidized sewage and industrial wastes. For example, the Ohio River at Cincinnati has been exposed to much industrial and sewage pollution, and hence large amounts of ether insoluble materials are found. Streams with little or no pollution history have little or no ether insolubles. Chloroform extracts contain from 0 to 30 percent of ether insoluble material.

Water Solubles

These substances are largely acidic and undistillable at moderate temperatures, but their solubility in ether indicates that the molecules are smaller and probably simpler than the ether-insolubles. On the other hand, their water solubility practically requires the presence of several functional groups, such as hydroxy-acid, keto-acid, and keto-alcohol. Such compounds probably originate from partial oxidation of hydrocarbons or they may be natural substances. They have very little odor. These materials usually make up 10 to 20 percent of the total extract.

Weak Acids

This group is characterized by being removed from ether solution with sodium hydroxide but not with sodium bicarbonate. Phenols are the best known weak acids, and if present in the water, appear in this group. Other weakly acidic compounds include certain enols, imides, sulfonamides, and some sulfur compounds. This group of materials also occurs in nature. The weak acids are odorous, and commonly constitute 5 to 20 percent of the chloroform extract.

Strong Acids

These acids are usually carboxylic acids such as acetic, benzoic, salicylic, or butyric. Although classified as strong in reference to carbonic acid, they are actually weak when compared with a mineral acid, such as sulfuric. Many of the compounds are used industrially, but may also be produced by natural processes, such as fermentation. Some of the materials are highly odorous. This fraction makes up from 5 to 20 percent of the total. The significance of the strong acids can be interpreted only in the light of stream pollution conditions.

Bases

These compounds are organic amines. Such materials as aniline and pyridine are amines of commerce. Lower amines may occur as a result of decomposition. Although odorous, the low concentrations found are not likely to cause objectionable conditions. However, in the case of specific amine-containing wastes the compounds can be of considerable significance. Generally, only 1 or 2 percent of the total extract is made up of the bases.

Neutrals

This group frequently constitutes the major portion of the chloroform extract. Neither basic nor acidic, the materials are less reactive and tend to persist in streams longer than many other types. Hydrocarbons, aldehydes, ketones, esters, and ethers are examples of neutral materials. The group lends itself to further fractionation by means of chromatographic separation into aliphatic, aromatic, and oxygenated subgroups:

Aliphatics: This portion represents petroleum type hydrocarbons in a considerable state of purity, and is usually made up of mineral oil type of material. The percentage of aliphatics present yields important information about the possible source of pollution, since petroleum is the most likely source.

Aromatics: These are principally the coal tar hydrocarbons such as benzene, toluene, and a host of others, and their presence in any significant amount is a reliable indication of industrial pollution. Further, the materials can frequently be identified by infrared spectrophotometry. Some aromatic compounds which have been found in our rivers—and in our drinking water—include DDT, aldrin, phenyl ether, orthonitrochlorobenzene, pyridine, phenol, and others. The materials are highly odorous, and may also be toxic. Their appearance in any quantity as pollutants should receive careful evaluation.

Oxygenated compounds (Oxys): These are the neutral compounds containing oxygen, such as aldehydes, ketones, and esters. They may have originated by direct discharge or may represent oxidation products from both natural and industrial materials. They help to indicate the "age" of the pollution, since pollution exposed to oxidation forces for a long time would be expected to contain large amounts of oxys. The oxy materials are odorous.

Losses

Manipulative losses are inherent in this type of separation. If the loss exceeds 10 to 15 percent, volatile components may have been lost from the sample. Such volatiles may have significance as pollutants.

Alcohol Extracts

The alcohol extractable fraction generally consists of more polar materials than the chloroform extracts, and contains synthetic de-

tergents, proteins, carbohydrates, and miscellaneous natural substances. These classes of substances are not quantitatively recovered by the alcohol. For example, the alcohol recovers only 20 to 30 percent of the synthetic detergents present. On waters of mixed industrial and domestic pollution, the chloroform and alcohol extractables may be about equal. On some streams where the industrial pollution is rather low and much natural pollution and sewage is present, the alcohol extractables may exceed the chloroform by a factor of 4 to 6.

The alcohol extract is usually water-soluble but not ether-soluble. Very little further chemical separation is practical on the material. Tests revealed that synthetic detergents make up 1 to 12 percent of the alcohol fraction.

Other Tests

Infrared spectra are routinely prepared on the total chloroform and alcohol extracts. In addition, spectra are prepared on the most significant groups such as the neutral, aliphatic, aromatic, and oxygenated. These spectra reveal something of the chemical structure of the materials, indicate differences, and in certain instances provide a definite identification. In the case of the alcohol extracts, the infrared will indicate the presence of synthetic detergents if the materials constitute a significant portion.

Specific Identifications

During the course of the year certain chlorinated insecticides and detergents were identified in various raw river waters. Aldrin was indicated in one sample obtained from the Snake River and D.D.T. was indicated at Philadelphia on the Delaware River and at Yuma, Ariz., on the Colorado River. Detergents (alkylbenzenesulfonate) were shown to be present in numerous samples.

CHEMICAL, PHYSICAL, AND BACTERIOLOGICAL EXAMINATIONS

The various biochemical, chemical, physical, and bacteriological examinations generally performed by the participating laboratories are discussed below.

Ammonia Nitrogen and Chlorine Demand

The cost of water treatment for domestic use is affected by the consumption of chlorine, with ammonia nitrogen being responsible for a large portion of the chlorine demand. The greater this demand the more expensive the treatment. The ammonia may be due to unstabilized domestic pollution, to industrial waste discharges, or to both. The presence of measurable quantities of nitrogen compounds, not necessarily ammonia, is also an indication of the fertility of the stream toward both macro- and microbiological forms.

Color

Color in domestic water supplies is undesirable. Its removal in the water treatment process, whether it be from natural or industrial sources, may require large doses of chemicals and be expensive.

Dissolved Oxygen, Biochemical and Chemical Oxygen Demands

Biochemical processes, in which aquatic organisms attack and stabilize the organic matter present, require dissolved oxygen. If unstable oxidizable organic matter is present in excess, the organisms will multiply rapidly, consuming the oxygen present in the water, and bring about a foul, septic stream condition. The dissolved oxygen level thus serves to indicate the biochemical activity of the stream. High activity, resulting in low dissolved oxygen levels, will drive out game fish in favor of scavengers. Very low or zero oxygen levels will kill all fish and aquatic organisms dependent on dissolved oxygen for life. Temperature and reaeration rates also affect dissolved oxygen levels.

The 5-day biochemical oxygen demand (B.O.D.) indicates the degree of unstabilized organic pollution from either domestic or industrial sources, to which the stream is being subjected. A significant demand will affect the fish and macroorganism population, and waters carrying a high B.O.D seldom contain game fish. On the other hand, game fish will thrive in streams in which the oxygen demand has been stabilized, as this condition is usually favorable for the growth of organisms on which fish feed.

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The chemical oxygen demand analysis serves to support the findings of the biochemical oxygen demand test. It too may indicate to what extent the waste load of the stream has been stabilized, or it may indicate the presence of organic and inorganic pollution which is not readily oxidized by biological processes. Because the chemical oxygen demand can be determined quickly in comparison to the biochemical oxygen demand, the establishment of a correlation between the two parameters serves to reduce the number of the latter determinations required. The chemical demand results are nearly always higher than the biochemical demand.

Temperature

Temperature is particularly important to conservation and industry. A few degrees elevation in temperature due to cooling water discharges may seriously limit the capacity of a stream to support fish life. Also, high water temperatures increase the cost of cooling water for industrial operations. Cooling towers and other equipment for handling cooling water must be engineered to the temperature levels normally encountered.

Mineral Constituents

These determinations include alkalinity, hydrogen-ion concentration (pH), hardness, chlorides, sulfates, and total dissolved solids. The pH indicates whether water is acidic or alkaline, corrosive or passive. Alkalinity is a measure of the neutralization reserve present, or the extent to which the water can resist a change from an alkaline to an acid condition upon addition of acidic chemicals. This information is important to the water treatment plant operator and to many other water users.

Hardness is not only a measure of the soap consuming property, but is also of importance in the treatment of boiler waters, where removal of hardness is one of the most important functions. Chloride, sulfate, and total dissolved solids add further information on the gross dissolved mineral content carried by the stream. These are of great importance when considering the taste or palatability of water. They are also important when the water is being demineralized for specific industrial processes, since the cost of demineralization is a direct function of the dissolved solids content of the water. In addition, waters of high saline content are less desirable and may at times even be unfit for municipal, irrigation, and other uses.

Turbidity

Turbidity of water is due to the suspension of clay, silt, finely divided organic matter, microscopic organisms, and other similar materials. Its presence is of particular importance in water treatment processes and in the propagation of fish and other aquatic life.

Coliform Organisms

Information regarding fecal pollution is essential to water quality measurements. Data on coliforms help to point up the trends in the effectiveness of control of domestic waste discharges.

The delayed incubation membrane filter technique is used for the coliform examinations, instead of the fermentation tube (MPN) method. The latter method would necessitate transportation of water samples to the laboratory for examination, resulting in an elapsed time between collection and examination and consequent significant change in the microbial content of the samples. Also, some of the many other bacteria present in raw water might overgrow or otherwise inhibit the demonstration of the coliforms. In the delayed incubation membrane filter procedure, the bacterial organisms are removed from the fluid sample immediately after collection and sent to the laboratory on a preservative medium. Thus, the resulting coliform count approaches very closely the actual number of coliform bacteria present in the water sample at the time of collection.

TRACE ELEMENTS AND OTHER DETERMINATIONS

This year's data include the examination of two series of composite samples of raw water from each station for the dissolved constituents likely to be present in trace quantities or whose significance does not warrant more frequent analysis. Twice during the year, 2-month composites of the weekly samples were prepared and subjected to analysis. Examinations covered those elements

which were considered to have possible physiological or toxicological significance to biological life and for which a reliable method was available. As new methods are developed, other determinations will be included. The ultimate goal of this phase of the program will be to provide background data on all elements which may be found in water and which may be of significance in water quality management.

In carrying out the spectrographic examination, the sample is first passed through a membrane filter to remove all suspended matter. An aliquot of the sample is then taken, acidified with hydrochloric acid, and evaporated to a concentration containing 2 mg. of solids in 0.1 ml. of sample (20,000 ppm.). A 0.5-ml. portion of the concentrated sample is then placed on the electrode and arced to completion. Sample exposure is made through a stepped sector disc. The exposed plate is compared to a standard plate prepared under identical conditions.

Waters with low dissolved solids content can be concentrated to a greater degree than those having a high dissolved solids content, thus accounting for the apparently variable sensitivity shown in the tabulation. Values followed by an asterisk (*) show the limits of sensitivity at which the test was performed, and indicate that the ion being measured was not detected at that level. The analyses done by wet or flame methods are quantitative and have been rounded off to the significant figures reported. The spectrographic analyses are semiquantitative and represent an approximation of the concentration present. All of the reported values by this method represent the quantity of the particular metal in solution at the time of examination. Hence, such values do not consider what changes might have transpired in the sample during composition and storage. Any interpretation based on these data should take this into account. It is well recognized that trace concentrations of many ions are subject to precipitation and adsorption on container surfaces during storage. This would particularly apply to iron and manganese, which are especially prone to oxidation and precipitation during storage. Suspended matter was not analyzed.

The colorimetric procedure, using carminic acid as detailed in the 11th edition of "Standard Methods," was used for determining boron. Fluoride examinations were made by the Eriochrome Cyanine R method, as given in *Analytical Chemistry*, 26:1161 (1954). The Cheng Method, as given in *Analytical Chemistry*, 28:1738 (1956), was used for the Selenium Analyses.

STREAM FLOWS

Stream flow data have a most important role in the utilization of water quality parameters such as are included in this report. For this reason, average daily records of flow are reported for most of the sampling stations in the Network.

All flow data included in this compilation are *provisional* data furnished by the agencies credited on each page, and are subject to revision prior to final publication by such agencies. With the exceptions mentioned below, the flows are given as furnished to the Public Health Service.

The data were generally furnished in units of cubic feet per second. In general only the first three digits were considered significant. Because of machine limitations the data are reported here in *thousand* cubic feet per second. Even though three zeros may appear after the decimal, no artificial accuracy of measurement is implied. Only the first three digits should be considered significant. There are two exceptions: (1) When the flow was over one million cubic feet per second, the first four digits are reported, and (2) at times when the Rio Grande flows were extremely low, the data were reported to tenths of a cubic foot per second. These figures are published showing four decimal places.

Flow data for sampling stations on the rivers of the Great Lakes system are reported as the monthly mean flow, as computed by the U.S. Lake Survey.

In certain other rivers, flow data were computed by the Public Health Service from information supplied by the gauging agency. This was done for sampling stations on the Columbia River at Clatskanie and Bonneville Dam, Oreg., and Pasco, Wash.; for Northfield, Mass., on the Connecticut River; for Williamsport, Md., on the Potomac; and for Brownsville, Tex., on the Rio Grande.

PHS National Water Quality Network
SAMPLING STATIONS
1959-1960
Columbia
Snake
Missouri
Arkansas
Colorado
Red
Rio Grande
Ohio
Tennessee
Mississippi
Delaware
Hudson
Connecticut
Merrimack
Savannah
MONTANA
OREGON
IDAHO
WYOMING
NEVADA
UTAH
COLORADO
CALIFORNIA
ARIZONA
NEW MEXICO
TEXAS
OKLA.
KANSAS
NEBRASKA
IOWA
MINN.
WISCONSIN
ILLINOIS
MISSOURI
ARK.
LA.
MISS.
ALA.
GEORGIA
FLORIDA
S. CAROL.
N. CAROL.
VIRGINIA
KENTUCKY
TENN.
IND.
OHIO
PENNA.
NEW YORK
MASS.
COMM.
N.J.
MD.
ME.

Figure 1.

TABLE 1—SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
ANIMAS RIVER								
above Cedar Hill, N. Mex.	33	Heizer Ranch at natural gas pipeline crossing.	San Juan County Health Dept.	San Juan County Health Dept.	New Mexico Dept. of Public Health	Cedar Hill, New Mexico	U.S. Geological Survey	1936 to date
APALACHICOLA RIVER								
at Chattahoochie, Fla.	105	Jim Woodruff Dam Powerhouse	U.S. Army Corps of Engineers Florida State Hospital, Chattahoochie, Florida	Florida State Hospital	Florida State Board of Health	Chattahoochie, Florida	U.S. Geological Survey	1928 to date
ARKANSAS RIVER								
at Pendleton Ferry, Ark.	48	Ferry Landing, South Shore	Arkansas State Water Pollution Control Commission	Arkansas State Water Pollution Control Commission	Arkansas State Board of Health	Little Rock, Arkansas	U.S. Geological Survey	1927 to date
at Ft. Smith, Arkansas	562	Above St.L.-S.F.R.R. Bridge	Arkansas State Water Pollution Control Commission	Arkansas State Water Pollution Control Commission	Arkansas State Board of Health	Van Buren, Arkansas	U.S. Geological Survey	1927 to date
at Ponca City, Oklahoma	646	Old U.S. Highway No.60 Bridge (formerly at Osage Station, Okla. Gas & Electric Co.)	Ponca City Water Dept.	Continental Oil Co, Ponca City Water Dept. U.S. Public Health Service	Oklahoma State Dept. of Health	Ralston, Oklahoma	U.S. Geological Survey	1938 to date
at Coolidge, Kansas	1,099	U.S. Geological Survey Stream Gaging Station	U.S. Geological Survey	U.S. Public Health Service	Kansas State Board of Health Colorado State Dept. of Health	Coolidge, Kansas	U.S. Geological Survey	1905, 1921 1950 to date
CHATTAHOOCHIE RIVER								
at Columbus, Georgia	160	Columbus Water Dept. Plant Intake	Columbus Water Dept.	Columbus Water Dept.	Georgia Dept. of Public Health	Columbus, Georgia	U.S. Geological Survey	1929 to date
at Atlanta, Georgia	305	Atlanta Water Dept. Plant Intake	Atlanta Water Dept.	Atlanta Water Dept.	Georgia Dept. of Public Health	Atlanta, Georgia	U.S. Geological Survey	1928, 1931 1936 to date
COLORADO RIVER								
at Yuma, Arizona	91	Arizona Water Co. Intake	Arizona Water Co.	Arizona Water Co.	Arizona State Dept. of Health	Yuma, Arizona	U.S. Geological Survey	1878 to date
at Parker Dam, Arizona-California	256	Aqueduct Intake, Metropolitan Water District of Southern California	Metropolitan Water District of Southern California	Metropolitan Water Distr. of Southern California U.S. Public Health Service	California State Dept. of Health California State Water Pollution Control Board	Below Parker Dam	U.S. Geological Survey	1934 to date
at Boulder City, Nevada	413	Boulder City (Nevada) Water Plant Intake	Boulder City Water Dept.	Boulder City Water Dept.	Nevada State Dept. of Public Health U.S. Bureau of Reclamation	Hoover Dam	U.S. Geological Survey U.S. Bureau of Reclamation	1935 to date
at Page, Arizona	775	Page Water Plant Intake	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	Arizona State Dept. of Health Utah State Dept. of Health	Lees Ferry, Arizona	U.S. Geological Survey	1911 to date
near Loma, Colorado	1,150	Pumping Station at E. R. Smith Farm	Mesa County (Colorado) Dept. of Public Health	Grand Junction (Colorado) Water Dept.	Colorado State Dept. of Public Health	Near Colorado-Utah State Line	U.S. Geological Survey	1951 to date

TABLE 1—SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
COLUMBIA RIVER								
near Clatskanie, Oregon	53	Beaver Army Terminal U.S. Army Transp., Supply & Maintenance Command	U.S. Army U.S. Public Health Service	Oregon State Sanitary Authority U.S. Public Health Service		Clatskanie, Oregon*	U.S. Geological Survey	1926 to date
at Bonneville Dam, Washington-Oregon	145	Bonneville Dam Powerhouse	U.S. Army, Corps of Engineers	Crown Zellerbach Corp.	Oregon State Sanitary Authority Washington State Dept. of Health Washington State Pollution Control Commission	Bonneville Dam *	U.S. Geological Survey	1938 to date
at Pasco, Washington	327	Municipal Water Plant Intake	Pasco Water Dept.	Pasco Water Dept.	Washington State Dept. of Health Washington State Pollution Control Commission	Pasco, Washington*	U.S. Geological Survey	1933 to date
at Wenatchee, Wash.	465	Plant Intake, Aluminum Co. of America	Aluminum Co. of America Chelan-Douglas County Health Dept.	Aluminum Co. of America Chelan-Douglas County Health Dept.	Washington State Dept. of Health Washington State Pollution Control Commission	Trinidad, Washington	U.S. Geological Survey	1913 to date
CONNECTICUT RIVER								
Above Northfield, Mass.	138	Central Vermont R.R. Bridge	Massachusetts State Dept. of Public Health	Massachusetts State Dept. of Public Health (Amherst Laboratory)		Vernon, Vermont *	U.S. Geological Survey	1936, 1938 1944 to date
DELAWARE RIVER								
at Philadelphia, Pa.	110	Municipal Water Plant Intake (Torresdale Plant)	Philadelphia Water Dept.	Philadelphia Water Dept.	Pennsylvania State Dept. of Health	Trenton, New Jersey	U.S. Geological Survey	1913 to date
at Martins Creek, Pa.	191	at Martins Creek Steam Electric Station	Pennsylvania Power & Light Company	Pennsylvania Power & Light Co.	Pennsylvania State Dept. of Health	Belvidere, New Jersey	U.S. Geological Survey	1922 to date
ESCAMBIA RIVER								
at Century, Florida	51	Highway Bridge on State Route 4	Florida State Board of Health	Florida State Board of Health		near Century, Florida	U.S.Geological Survey	1934 to date
GREAT LAKES								
St. Lawrence River at Massena, New York	422	Aluminum Foundry Plant Intake	Chevrolet Motor Div. General Motors Corp. Aluminum Foundry	Chevrolet Motor Div. General Motors Corp. Aluminum Foundry	New York State Health Dept.	International Rapids Section (St. Lawrence Power Pool)	U.S.Army Corps of Engineers	1860 to date
Lake Erie at Buffalo, New York	-	Municipal Water Plant Intake	Buffalo Water Dept. Erie County (N.Y.) Health Dept.	Erie County (N.Y.) Health Dept.	New York State Dept. of Health	Cleveland, Ohio (Water Stages only)	U.S. Lake Survey	1900 to date
Detroit River at Detroit, Michigan	29	Municipal Water Plant Intake (Water Works Park)	Detroit Board of Water Commissioners	Detroit Board of Water Commissioners	Michigan State Dept. of Health Michigan State Water Resources Commission	Detroit, Michigan	U.S. Lake Survey	1936 to date
St.Clair River at Port Huron, Mich.	36	Municipal Water Plant Intake	City of Port Huron, Mich.	City of Port Huron, Mich.	Michigan State Dept. of Health International Joint Commission Michigan State Water Resources Board	Ft. Gratiot, Michigan	U.S. Lake Survey	1900 to date

* Computed Data

TABLE 1—SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
GREAT LAKES (cont'd.)								
Lake Michigan at Milwaukee, Wisconsin	-	Municipal Water Plant Intake	City of Milwaukee, Wisconsin	City of Milwaukee, Wisc.	Wisconsin State Board of Health	Milwaukee, Wisconsin	U.S. Lake Survey	1860 to date
Lake Michigan at Gary, Indiana	-	Gary-Hobart Water Corp. Intake	Gary-Hobart Water Corp.	Gary-Hobart Water Corp.	Indiana State Board of Health	Milwaukee, Wisconsin (Water Stages only)	U.S. Lake Survey	1905 to date
St. Mary's River at Sault Ste. Marie, Michigan	48	Municipal Water Plant Intake	Sault Ste. Marie Water Dept.	Sault Ste. Marie Water Dept.	Michigan Dept. of Health	Sault Ste. Marie, Mich.	U.S. Lake Survey	1900 to date
Lake Superior at Duluth, Minnesota	-	Municipal Water Plant Intake	Duluth Water, Gas & Sewage Treatment Dept.	Duluth Water, Gas & Sewage Treatment Dept.	Minnesota State Dept. of Health	Marquette, Michigan	U.S. Lake Survey	1900 to date
HUDSON RIVER								
below Poughkeepsie, New York	70 (est)	International Business Machines Corp. Plant Intake	International Business Machines Corp.	International Business Machines Corp. New York State Dept. of Health	New York State Dept. of Health	Green Island, New York	U.S. Geological Survey	1946 to date
ILLINOIS RIVER								
at Peoria, Illinois	166	Peoria Water Works Company Plant Intake	Peoria Water Works Company	Peoria Water Works Co.	Illinois Dept. of Public Health	Kingston Mines, Illinois	U.S. Geological Survey	1939 to date
KANAWHA RIVER								
at Winfield Dam, West Virginia	50	Winfield Dam Power Plant	West Virginia Water Resources Commission	West Virginia Water Resources Commission	Kanawha Valley Power Company West Virginia State Dept. of Health	Charleston, West Virginia	U.S. Geological Survey	1939 to date
MERRIMACK RIVER								
at Lowell, Mass.	42	Old Municipal Water Plant Intake	Lowell Water Dept.	Massachusetts State Dept. of Health (Lawrence Experiment Station)		Lowell, Massachusetts	U.S. Geological Survey	1903 to date
MISSISSIPPI RIVER								
at New Orleans, La.	105	Municipal Water Plant Intake	New Orleans Sewage and Water Board	Louisiana State Dept. of Health	Louisiana State Dept. of Health	Red River Landing, La.	U.S. Geological Survey	1928 to date
at Delta, Louisiana (formerly at Vicksburg, Miss.)	453	River Landing, Delta Casting Yard, U.S. Corps of Engineers	Mississippi State Board of Health	Mississippi State Board of Health	Louisiana State Dept. of Health	Near Vicksburg, Miss.	U.S. Geological Survey	1931 to date
at West Memphis, Ark.	726	Barge Terminal, Oklahoma-Mississippi River Products Lines, Inc.	Memphis (Tennessee) Light, Gas & Water Division	Memphis (Tennessee) Light, Gas & Water Division	Arkansas State Board of Health Tennessee Dept. of Public Health	Memphis, Tennessee	U.S. Geological Survey	1934 to date
at Cape Girardeau, Mo.	1,080	Missouri Utilities Co. Water Intake	Missouri Utilities Co.	Missouri Utilities Co.	Missouri State Dept. of Public Health & Welfare	Thebes, Illinois	U.S. Geological Survey	1933-1958, 1959 to date
at East St. Louis, Ill.	1,166	East St. Louis Water Co. Intake	East St. Louis Water Co.	East St. Louis Water Co.	Illinois State Dept. of Public Health	Alton, Illinois	U.S. Geological Survey	1933-1958 1959 to date

TABLE 1—SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
MISSISSIPPI RIVER (cont'd)								
at Burlington, Iowa	1,369	Municipal Water Plant Intake	Burlington Water Dept.	Burlington Water Dept.	Iowa State Dept. of Health	Keokuk, Iowa	U.S. Geological Survey	1878 to date
at Dubuque, Iowa	1,569	U.S. Army, Corps of Engineers Lock & Dam #11	Dubuque Water Dept.	Dubuque Water Dept.	Iowa State Dept.of Health	McGregor, Iowa	U.S. Geological Survey	1936 to date
at Lock and Dam #3 below Minneapolis, Minnesota	1,797	U.S. Army, Corps of Engineers Lock & Dam #3	U.S. Army, Corps of Engineers Minneapolis-St. Paul Sanitary District	Minneapolis-St. Paul Sanitary District	Minnesota State Dept. of Health	Prescott, Wisconsin	U.S. Geological Survey	1988 to date
MISSOURI RIVER								
at St. Louis, Missouri	35	Water Plant Intake, St. Louis County Water Co. and Howard Bend Plant, City of St. Louis	St. Louis County Water Dept. St. Louis Water Dept.	St. Louis County Water Co. St. Louis Water Dept.	Missouri State Dept. of Public Health & Welfare	Hermann, Missouri	U.S. Geological Survey	1897 to date
at Kansas City, Kansas	385	Municipal Water Plant Intake	Kansas City (Kansas) Board of Public Utilities	Kansas City (Kansas) Board of Public Utilities	Kansas State Board of Health	Kansas City, Kansas	U.S. Geological Survey	1897 to date
at St. Joseph, Missouri	471	St. Joseph Water Co. Intake	St. Joseph Water Co.	St. Joseph Water Co.	Missouri State Dept. of Public Health & Welfare	St. Joseph, Missouri	U.S. Geological Survey	1927 to date
at Omaha, Nebraska	648	Metropolitan Utilities Dist. Water Plant Intake	Metropolitan Utilities District	Metropolitan Utilities District	Nebraska State Dept. of Health	Omaha, Nebraska	U.S. Geological Survey	1928 to date
at Yankton, South Dakota	811	Municipal Water Plant Intake	Yankton Water Dept.	Yankton Water Dept.	South Dakota State Board of Health	Yankton, South Dakota	U.S. Geological Survey	1950 to date
at Bismarck, North Dakota	1,377	Municipal Water Plant Intake	Bismarck Water Dept.	Bismarck Water Dept. North Dakota State Dept. of Health		Bismarck, North Dakota	U.S. Geological Survey	1927 to date
at Williston, North Dakota	1,644	Municipal Water Plant Intake	Williston Water Dept.	Williston Water Dept.	North Dakota State Dept. of Health	Williston, North Dakota	U.S. Geological Survey	1928 to date
OHIO RIVER								
at Cairo, Illinois	3	Cairo Water Co. Intake	Cairo Water Co.	Cairo Water Co.	Illinois State Dept. of Public Health	Metropolis, Illinois	U.S. Geological Survey	1954 to date
at Evansville, Indiana	190	Municipal Water Plant Intake	Evansville Water Dept.	Evansville Water Dept.	Indiana State Board of Health	Evansville, Indiana	U.S. Geological Survey	1956 to date
at Cincinnati, Ohio	518	Municipal Water Plant Intake	Cincinnati Water Dept.	Cincinnati Water Dept.	Ohio State Dept. of Health	Cincinnati, Ohio	U.S. Geological Survey	1936 to date
at Huntington, West Virginia	677	Huntington Water Co. Intake	Huntington Water Corp.	Huntington Water Corp.	West Virginia State Dept. of Health	Huntington, West Virginia	U.S. Geological Survey	1954 to date
at East Liverpool, Ohio	941	Municipal Water Plant Intake	East Liverpool Water Dept.	East Liverpool Water Dept.	Ohio State Dept. of Health	Sewickley, Pennsylvania	U.S. Geological Survey	1953 to date
POTOMAC RIVER								
at Great Falls, Maryland	186	Washington, D.C. Water Plant Intake	U.S. Army, Corps of Engineers	U.S. Army, Corps of Engineers	Maryland State Dept. of Health	Near Washington, D. C.	U.S. Geological Survey	1930 to date
at Williamsport, Maryland	212	Hagerstown Municipal Water Plant Intake	Hagerstown Water Dept.	Hagerstown Water Dept.	Maryland State Dept. of Health	Williamsport, Md.*	U.S. Geological Survey	1928 to date

* Computed Data

TABLE 1—SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
RED RIVER (North) at Grand Forks, North Dakota	896	Municipal Water Plant Intake	Grand Forks City Water Dept.	Grand Forks City Water Dept.	North Dakota State Dept. Health	Grand Forks, North Dakota	U.S. Geological Survey	1938-1957
RED RIVER (South) at Alexandria, La.	188	Pumping Station on Levee, near City Wells	Alexandria Water Dept.	Louisiana State Dept. of Health (New Orleans Laboratory) Louisiana State Dept. of Health (Alexandria Laboratory)	Louisiana State Dept. of Health	Alexandria, Louisiana	Mississippi River Comm. U.S. Geological Survey	1888-1938, 1938 to date
at Index, Arkansas	495	U.S. Highway No. 71 Bridge	Texarkana Water & Sewer Systems Arkansas State Water Pollution Control Comm.	Arkansas State Pollution Control Commission	Arkansas State Board of Health	Index, Arkansas	U.S. Geological Survey	1936 to date
at Denison, Texas	726	Denison Dam Power House	U.S. Army, Corps of Engineers	Denison Water Dept.	Texas State Dept. of Health	Near Colbert, Oklahoma	U.S. Geological Survey	1929 to date
RIO GRANDE at Brownsville, Texas	40	Brownsville Filtration Plant Plant #1 Intake	Brownsville Water Dept.	Brownsville Water Dept.	Texas State Dept. of Health	Lower Brownsville, Texas	International Boundary & Water Commission	1954 to date
at Laredo, Texas	956	Municipal Water Plant Intake	Laredo Water Dept.	Laredo Water Dept.	Texas State Dept. of Health	Near Serve Laredo, Mexico	Mexican Section, International Boundary & Water Commission	1925 to date
at El Paso, Texas	1254	Municipal Water Plant Intake	El Paso Public Service Board	El Paso Public Service Board	Texas State Dept. of Health	Below Caballo Dam, New Mexico	U.S. Bureau of Reclamation	1938 to date
SABINE RIVER at Ruliff, Texas	40	Sabine River Authority Pumping Plant	Sabine River Authority	Sabine River Authority	U.S. Geological Survey Texas State Dept. of Health	Near Ruliff, Texas	U.S. Geological Survey	1924 to date
SAVANNAH RIVER at Fort Wentworth, Georgia	22	State Highway No. 17 Bridge	Union Bag-Camp Paper Co. U.S. Army, Corps of Engineers Chatham County Health Dept.	Union Bag-Camp Paper Co. U.S. Public Health Service	Georgia State Dept. of Public Health	Clyo, Georgia	U.S. Geological Survey	1950, 1953, 1957 to date
at North Augusta, South Carolina	217	Municipal Water Plant Intake	North Augusta Water Dept.	North Augusta Water Dept.	South Carolina State Dept. of Health	Augusta, Georgia	U.S. Geological Survey	1898-1906 1927-1951 1958 to date
SCHUYLKILL RIVER at Philadelphia, Pa.	10	Municipal Water Plant Intake	Philadelphia Water Dept.	Philadelphia Water Dept.	Pennsylvania Dept. of Health	Philadelphia, Pa.	U.S. Geological Survey	1951 to date

*Computed Data

TABLE 1—SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
SNAKE RIVER								
at Wawawai, Washington	111 (est)	Pumping Station at I. E. Wilson Farm	Washington State College	Washington State College	Washington State Dept. of Health	Near Clarkston, Washington	U.S. Geological Survey	1915 to date
at Weiser, Idaho	354	Municipal Water Plant Intake	Weiser Water Dept.	Weiser Water Dept.	Idaho State Board of Health	Weiser, Idaho	U.S. Geological Survey	1910 to date
SUSQUEHANNA RIVER								
at Conowingo, Maryland	10	Conowingo Hydro Electric Plant, Conowingo Dam	Baltimore Bureau of Water Supply Philadelphia Electric Co.	Baltimore Bureau of Water Supply Philadelphia Electric Co.	Maryland State Dept. of Health	Marietta, Pennsylvania	U.S. Geological Survey	1951 to date
at Sayre, Pennsylvania	286	Sayre Water Co. Plant Intake	Sayre Water Company	Sayre Water Company	Pennsylvania Dept. of Health	Near Waverly, New York	U.S. Geological Survey	1937 to date
TENNESSEE RIVER								
at Chattanooga, Tenn.	467 (est)	City Water Company Intake	City Water Company of Chattanooga	City Water Company of Chattanooga Tennessee Valley Authority	Tennessee State Dept. of Public Health	Chattanooga, Tennessee	U.S. Geological Survey	1874-1913 1915-1930 1936 to date
YELLOWSTONE RIVER								
at Sidney, Montana	30	Intake-Lewis & Clark Station Montana-Dakota Utilities Co.	Montana-Dakota Utilities Co.	Montana-Dakota Utilities Co.	Montana State Board of Health	Near Sidney, Montana	U.S. Geological Survey	1954 to date

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EXPLANATION OF DATA

Radioactivity Determinations

Sample collection has continued on a weekly basis. Beginning July 1, 1960, samples from certain stations were placed on a reduced program of analyses; i.e. on semimonthly or monthly composites of the weekly samples. This was done where the history of gross radioactivity in the suspended or filtrate solids showed no significant levels during the previous data year. Alpha determinations were made once per month at each of the stations.

In evaluating these data it should be noted that these statistics are subject to errors commonly associated with gross radioactivity analysis. (See Reference 17.)

A dash in the column for the count signifies that that particular determination was not made.

Plankton Population

Blanks in any column are to be read as meaning that none of the organisms for that column were found. The column heading "Dominant Organisms" should be interpreted in connection with the table below as follows: 5–946 should be interpreted that the fifth organism of the first column, *Chlorella*, was named. None of the organisms in the second column of the table were named. The 9 is the ninth item in the third column of the table—*Stephanodiscus*, 4 is the fourth item in the fourth column—*Diotoma*, and the 6 is the sixth item in the fifth column—*Fragilaria*. Five dashes in the column of "Dominant Organisms" mean that none were named for that report.

PLANKTON—DOMINANT ORGANISMS

	I	II	III	IV	V
1.	Additional Filamentous Green Alga	Additional Green Flagellate	Actinastrum	Golenkinia	Additional Pigmented Flagellate (other than green)
2.	Anabaena	Aphanizomenon	Additional Desmid	Additional Coccoid Green Alga	Additional Coccoid Blue-Green Alga
3.	Asterionella	Cryptomonas	Anacystis	Chlamydomonas	Additional Diatoms
4.	Cyclotella	Cyclotella	Ciliates	Diatoma	Additional Filamentous Blue-Green Alga
5.	Chlorella	Gomphonema	Coelastrum	Cymbella	Ankistrodesmus
6.	Cosmarium	Oscillatoria	Dinobryon	Nitzschia	Fragilaria
7.	Synedra	Peridinium	Navicula	Synedra	Melosira
8.	Euglena	Scenedesmus	Oocystis	Tabellaria	Micractinium
9.	Phormidium	Unpigmented Flagellate	Stephanodiscus	Tribonema	Sarcodina

Organic Chemicals

The data relating to extractables are in micrograms per liter or parts per billion. Zeros when reported have been entered. A dash indicates that the respective results were not reported.

Chemical, Physical, and Bacteriological Analyses

The data entered in each column are as reported. A dash signifies that the particular test was not performed. Zeros when meaningful have been entered. An asterisk preceding a coliform count should be read as "less than" the number following it.

Trace Elements and Other Determinations

For a discussion of the sensitivity limits of the determinations performed with spectrographic methods, see page 9.

RADIOACTIVITY DETERMINATIONS

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NEW MEXICO

MAJOR BASIN COLORADO RIVER

SUB BASIN SAN JUAN RIVER

STATION LOCATION ANIMAS RIVER AT CEDAR HILL, NEW MEXICO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL					
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO. DAY	ALPHA ppc/g	BETA ppc/g	SUSPENDED ppc/l	DISSOLVED ppc/l	TOTAL ppc/l
2	8	60	3	29	31	37	68	81	45	126						
2	15	60	3	3	39	21	60	96	27	123						
2	23	60	4	15	26	26	52	62	48	110						
2	29	60	4	15	9	27	36	35	72	107						
3	14	60	4	27	139	11	150	269	11	280						
3	21	60	4	27	220	6	226	263	12	275						
3	29	60	4	8	32	4	36	78	6	84						
4	4	60	4	20	53	27	80	99	41	140						
4	11	60	5	20	75	2	77	121	2	123						
4	18	60	5	2	3	8	11	5	8	13						
4	25	60	5	12	4	4	8	4	3	7						
5	2	60	5	23	1	6	7	0	0	0						
5	9	60	5	23	5	9	14	6	2	8						
5	13	60	5	23	108	12	120	205	12	217						
5	23	60	6	6	13	3	16	16	7	23						
6	6	60	6	17	6	2	8	10	2	12						
6	20	60	6	30	4	2	6	4	0	4						
7	5	60	7	19	4	6	10	17	6	23						
7	11	60	7	22	1	10	11	0	7	7						
7	18	60	8	9	1	13	14	2	12	14						
7	25	60	8	12	2	9	11	4	9	13						
8	1	60	8	15	2	20	22	6	23	29						
8	8	60	9	1	0	13	13	0	11	11						
8	15	60	8	29	1	16	17	0	8	8						
8	22	60	9	14	7	24	31	11	26	37						
8	29	60	9	20	16	16	32	41	19	60						
9	6	60	9	23	2	18	20	0	12	12						
9	12	60	9	28	1	34	35	0	48	48						
9	19	60	10	4	3	14	17	0	14	14						
9	26	60	10	13	1	10	11	0	15	15						

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WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: FLORIDA
MAJOR BASIN: SOUTHEAST
SUB BASIN: APALACHICOLA RIVER
STATION LOCATION: APALACHICOLA RIVER AT CHATTAHOOCHEE, FLORIDA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
12	14	59	12	22	-	-	-	0	0	0							
2	22	60	3	7	-	-	-	2	0	2							
3	7	60	3	24	0	0	0	0	2	2							
3	21	60	4	18	-	-	-	0	2	2							
4	7	60	5	3	0	0	0	0	0	0							
4	24	60	5	6	-	-	-	0	0	0							
5	9	60	5	27	0	0	0	0	0	0							
7	11	60	8	10	-	-	-	0	0	0							
7	25	60	8	10	-	-	-	0	0	0							
8	8	60	8	19	0	0	0	0	0	0							
8	23	60	9	22	-	-	-	0	0	0							
9	13	60	9	28	0	0	0	0	0	0							
9	26	60	10	18	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARKANSAS RIVER-VAN BUREN TO MOUTH

STATION LOCATION: ARKANSAS RIVER AT PENDLETON FERRY, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	5	59	10	15	-	-	-	260	0	260						
10	12	59	11	27	30	0	30	0	16	16						
10	19	59	10	30	-	-	-	24	3	27						
10	26	59	11	5	-	-	-	58	18	76						
11	2	59	12	14	-	-	-	0	15	15						
11	9	59	11	18	34	1	35	84	0	84						
11	16	59	11	25	-	-	-	32	3	35						
11	23	59	12	10	-	-	-	0	0	0						
12	14	59	12	28	-	-	-	0	0	0						
12	21	59	12	31	-	-	-	2	0	2						
12	28	59	1	7	-	-	-	5	0	5						
1	4	60	1	12	-	-	-	0	10	10						
1	11	60	1	22	5	1	6	20	7	27						
1	25	60	2	8	-	-	-	21	3	24						
2	8	60	2	16	4	0	4	8	0	8						
2	23	60	3	14	-	-	-	88	12	100						
3	7	60	3	25	3	2	5	0	0	0						
3	28	60	4	6	-	-	-	0	0	0						
4	11	60	4	29	8	0	8	29	0	29						
4	25	60	5	18	-	-	-	25	11	36						
5	9	60	5	31	14	2	16	63	10	73						
5	23	60	6	8	-	-	-	47	0	47						
6	13	60	6	20	14	0	14	21	0	21						
6	20	60	7	22	-	-	-	33	0	33						
7	11	60	8	9	0	0	0	0	0	0						
7	25	60	8	18	-	-	-	114	7	121						
8	8	60	8	24	14	0	14	8	0	8						
8	22	60	9	23	-	-	-	19	19	38						
9	12	60	10	18	33	1	34	53	2	55						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARKANSAS RIVER, TULSA TO VAN BUREN

STATION LOCATION: ARKANSAS RIVER NEAR FORT SMITH, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	16	-	-	-	196	0	196							
10	12	59	10	22	19	0	19	117	25	142							
10	19	59	10	27	-	-	-	61	7	68							
10	26	59	11	5	-	-	-	19	2	21							
4	27	60	5	18	4	0	4	0	0	0							
5	13	60	5	25	11	1	12	25	0	25							
5	26	60	6	13	-	-	-	5	0	5							
6	14	60	6	24	11	2	13	41	4	45							
6	27	60	7	11	-	-	-	0	0	0							
7	5	60	8	9	2	2	4	0	0	0							
7	19	60	8	18	-	-	-	170	1	171							
8	4	60	9	26	2	1	3	0	0	0							
8	26	60	9	26	-	-	-	30	7	37							
9	30	60	10	24	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OKLAHOMA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l			ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	5	59	10	13	-	-	-	17	15	32							
10	10	59	11	27	18	1	19	17	0	17							
10	20	59	10	28	-	-	-	0	0	0							
10	26	59	11	2	-	-	-	38	65	103							
11	2	59	11	10	-	-	-	0	0	0							
11	9	59	11	18	1	3	4	40	0	40							
11	23	59	12	10	-	-	-	0	0	0							
11	30	59	12	14	-	-	-	0	0	0							
12	7	59	12	16	1	0	1	0	0	0							
12	14	59	12	22	-	-	-	0	3	3							
12	21	59	12	31	-	-	-	23	21	44							
12	28	59	1	5	-	-	-	0	0	0							
1	4	60	1	11	-	-	-	0	14	14							
1	11	60	1	20	0	8	8	13	0	13							
1	25	60	2	1	-	-	-	12	35	47							
2	8	60	2	15	0	0	0	25	0	25							
2	22	60	3	11	-	-	-	0	10	10							
3	7	60	3	25	1	0	1	0	0	0							
3	28	60	4	27	-	-	-	50	21	71							
4	4	60	5	3	19	2	21	41	0	41							
4	25	60	5	18	-	-	-	0	0	0							
5	9	60	5	24	30	2	32	71	9	80							
5	23	60	6	7	-	-	-	6	16	22							
6	13	60	6	22	11	2	13	6	0	6							
6	27	60	7	11	-	-	-	34	4	38							
7	11	60	7	19	3	7	10	0	9	9							
7	25	60	8	19	-	-	-	0	17	17							
8	1	60	8	26	48	4	52	89	2	91							
8	29	60	9	16	-	-	-	18	2	20							
9	12	60	9	30	11	2	13	37	0	37							
9	26	60	10	6	-	-	-	0	4	4							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: KANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	7	59	10	15	-	-	-	1	0	1						
10	13	59	10	21	4	30	34	0	0	0						
10	19	59	10	27	-	-	-	0	0	0						
10	26	59	11	2	-	-	-	0	77	77						
11	2	59	11	9	-	-	-	0	22	22						
11	10	59	11	16	0	32	32	0	75	75						
11	16	59	12	24	-	-	-	0	24	24						
11	23	59	12	8	-	-	-	0	0	0						
11	30	59	12	14	-	-	-	0	0	0						
12	7	59	12	16	3	36	39	0	0	0						
12	14	59	12	22	-	-	-	0	0	0						
12	30	59	1	7	-	-	-	0	0	0						
1	4	60	1	19	-	-	-	0	0	0						
1	12	60	3	29	3	58	61	0	35	35						
1	25	60	2	1	-	-	-	5	10	15						
2	8	60	3	3	0	58	58	0	22	22						
2	22	60	3	18	-	-	-	0	67	67						
3	7	60	3	25	0	56	56	0	0	0						
3	28	60	4	13	-	-	-	0	0	0						
4	13	60	4	29	-	-	-	0	0	0						
4	26	60	5	18	-	-	-	0	0	0						
5	9	60	5	25	8	29	37	8	0	8						
5	23	60	6	7	-	-	-	0	0	0						
6	13	60	6	21	24	49	73	44	27	71						
6	27	60	7	5	-	-	-	0	0	0						
7	15	60	7	26	-	-	-	0	0	0						
7	27	60	8	12	-	-	-	0	0	0						
8	8	60	8	22	0	26	26	0	0	0						
8	17	60	9	1	0	1	1	0	0	0						
8	30	60	9	19	-	-	-	0	0	0						
9	12	60	10	4	1	33	34	0	0	0						
9	27	60	10	11	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: GEORGIA
MAJOR BASIN: SOUTHEAST
SUB BASIN: CHATTAHOOCHEE RIVER
STATION LOCATION: CHATTAHOOCHEE RIVER
COLUMBUS, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	13	0	0	0	0	6	6							
10	12	59	10	21	-	-	-	0	0	0							
10	19	59	10	27	-	-	-	0	3	3							
10	26	59	11	2	-	-	-	1	11	12							
11	2	59	11	9	0	0	0	0	0	0							
11	9	59	11	16	-	-	-	0	4	4							
11	16	59	11	23	-	-	-	0	2	2							
11	23	59	12	8	-	-	-	0	2	2							
11	30	59	12	14	0	0	0	0	0	0							
12	7	59	12	17	-	-	-	2	0	2							
12	14	59	12	22	-	-	-	0	0	0							
12	21	59	12	30	-	-	-	0	0	0							
12	28	59	1	5	-	-	-	0	0	0							
1	4	60	1	11	0	0	0	2	0	2							
1	11	60	1	20	-	-	-	0	4	4							
1	25	60	2	1	-	-	-	0	0	0							
2	8	60	2	17	0	5	5	1	0	1							
2	22	60	3	7	-	-	-	2	0	2							
3	7	60	3	24	0	0	0	0	2	2							
3	28	60	4	5	-	-	-	1	2	3							
4	11	60	4	20	1	0	1	0	0	0							
4	25	60	5	3	-	-	-	0	0	0							
5	9	60	5	27	0	0	0	0	1	1							
5	23	60	6	2	-	-	-	0	0	0							
6	13	60	6	21	0	0	0	0	0	0							
6	27	60	7	5	-	-	-	0	2	2							
7	11	60	7	19	3	0	3	0	0	0							
7	25	60	8	15	-	-	-	0	0	0							
8	8	60	8	19	0	0	0	0	0	0							
8	29	60	9	13	-	-	-	0	2	2							
9	12	60	10	4	0	0	0	0	0	0							
9	26	60	10	11	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN CHATTAHOOCHEE RIVER

STATION LOCATION CHATTAHOOCHEE RIVER AT ATLANTA, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY			GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
6	14	60	6	28	0	0	0	0	0	0						
6	28	60	7	7	0	0	0	0	0	0						
7	6	60	7	13	-	-	-	0	1	1						
7	13	60	7	21	0	0	0	0	0	0						
7	19	60	8	11	-	-	-	0	0	0						
7	26	60	8	11	-	-	-	0	0	0						
8	2	60	8	11	-	-	-	0	0	0						
8	9	60	8	29	1	0	1	0	0	0						
8	30	60	9	26	-	-	-	0	0	0						
9	13	60	10	3	0	0	0	0	0	0						
9	20	60	9	30	-	-	-	0	0	0						
9	27	60	10	12	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARIZONA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT YUMA, ARIZONA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	11	30	0	4	4	1	2	3						
10	19	59	11	2	2	7	9	0	0	0						
10	26	59	11	5	0	4	4	0	4	4						
11	9	59	11	19	0	2	2	20	41	61						
11	16	59	12	1	0	10	10	0	4	4						
11	30	59	12	31	0	1	1	0	10	10						
12	14	59	1	15	-	-	-	0	0	0						
12	21	59	1	15	-	-	-	0	0	0						
12	28	59	1	15	-	-	-	0	0	0						
1	4	60	1	18	1	14	15	0	0	0						
1	11	60	1	25	0	7	7	0	0	0						
1	25	60	2	9	1	6	7	0	0	0						
2	8	60	2	17	0	5	5	7	11	18						
2	15	60	3	21	0	6	6	0	0	0						
3	7	60	3	25	0	5	5	0	0	0						
3	28	60	4	13	0	6	6	6	0	6						
4	11	60	4	20	1	6	7	6	0	6						
4	25	60	5	10	0	9	9	0	0	0						
5	5	60	5	31	0	8	8	0	10	10						
5	16	60	6	8	1	3	4	0	0	0						
6	13	60	6	24	0	4	4	0	0	0						
6	27	60	7	7	1	3	4	0	0	0						
7	11	60	7	26	0	8	8	0	1	1						
7	25	60	7	11	0	5	5	0	0	0						
8	8	60	8	25	0	15	15	0	0	0						
8	29	60	9	21	1	16	17	0	16	16						
9	26	60	10	10	1	7	8	0	7	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEVADA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l				ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	59	10	15	0	9	9	15	68	83								
10	13	59	10	22	1	12	13	2	25	27								
10	20	59	10	29	1	6	7	0	12	12								
10	27	59	11	6	0	6	6	0	13	13								
11	3	59	11	10	0	8	8	0	6	6								
11	10	59	11	19	0	7	7	6	7	13								
11	17	59	11	25	0	10	10	0	10	10								
11	24	59	12	8	0	14	14	0	0	0								
12	1	59	12	15	0	9	9	0	10	10								
12	8	59	12	17	0	6	6	0	0	0								
12	15	59	12	29	0	8	8	0	0	0								
12	22	59	12	30	0	9	9	0	4	4								
12	29	59	1	7	0	5	5	0	0	0								
1	5	60	1	19	-	-	-	0	10	10								
1	12	60	1	22	1	12	13	0	2	2								
1	26	60	2	10	1	7	8	0	0	0								
2	9	60	2	24	1	4	5	0	31	31								
2	23	60	3	18	0	8	8	0	0	0								
3	8	60	3	25	0	0	0	0	0	0								
3	22	60	4	18	0	16	16	0	0	0								
4	12	60	5	3	1	5	6	0	1	1								
4	26	60	5	10	0	8	8	0	0	0								
5	10	60	5	24	0	8	8	0	27	27								
5	24	60	6	7	0	8	8	0	0	0								
6	14	60	6	24	0	7	7	0	0	0								
6	28	60	7	8	0	2	2	0	0	0								
7	12	60	7	27	0	8	8	0	2	2								
7	26	60	8	12	0	10	10	0	0	0								
8	9	60	8	24	0	10	10	0	2	2								
8	30	60	9	20	0	12	12	0	0	0								
9	13	60	10	7	0	0	0	0	16	16								
9	27	60	10	14	1	5	6	7	57	64								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN MIDDLE COLORADO RIVER

STATION LOCATION COLORADO RIVER AT PAGE, ARIZONA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
11	23	59	12	10	35	7	42	74	0	74							
11	30	59	12	18	25	14	39	27	0	27							
12	7	59	12	16	10	13	23	18	18	36							
12	14	59	12	22	27	12	39	42	22	64							
12	21	59	12	30	17	8	25	19	1	20							
12	28	59	3	29	72	15	87	86	2	88							
1	4	60	1	12	39	14	53	153	1	154							
1	11	60	1	20	8	18	26	34	0	34							
1	18	60	1	28	146	14	160	185	8	193							
2	1	60	2	11	45	19	64	128	3	131							
2	8	60	2	18	52	3	55	96	15	111							
2	15	60	3	9	43	6	49	75	0	75							
2	22	60	3	11	11	15	26	21	23	44							
2	29	60	3	21	14	11	25	65	9	74							
3	7	60	3	21	14	12	26	4	6	10							
3	15	60	4	27	265	2	267	478	0	478							
3	21	60	4	27	47	4	51	151	0	151							
3	29	60	4	8	156	7	163	296	0	296							
4	4	60	4	18	101	13	114	205	0	205							
4	11	60	4	20	50	3	53	120	1	121							
4	18	60	5	2	66	5	71	100	0	100							
4	25	60	5	6	20	6	26	65	8	73							
5	2	60	5	12	17	4	21	27	34	61							
5	9	60	5	19	16	7	23	65	0	65							
5	16	60	6	1	17	6	23	67	3	70							
5	23	60	6	2	14	2	16	33	8	41							
5	31	60	6	13	15	3	18	24	19	43							
6	13	60	6	21	20	5	25	34	0	34							
6	20	60	6	29	3	3	6	14	0	14							
6	27	60	7	7	7	1	8	6	0	6							
7	6	60	7	15	10	4	14	37	11	48							
7	11	60	7	19	28	5	33	32	11	43							
7	18	60	8	3	7	17	24	16	2	18							
7	25	60	8	17	22	8	30	41	42	83							
8	1	60	8	12	2	5	7	0	0	0							
8	8	60	8	22	33	15	48	58	0	58							
8	15	60	11	10	66	14	80	46	0	46							
8	22	60	9	16	26	17	43	53	0	53							
8	29	60	9	20	42	20	62	167	5	172							
9	12	60	9	26	10	49	59	9	0	9							
9	19	60	10	4	40	32	72	85	67	152							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN MIDDLE COLORADO RIVER

STATION LOCATION COLORADO RIVER AT PAGE, ARIZONA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
11	23	59	12	10	35	7	42	74	0	74						
11	30	59	12	18	25	14	39	27	0	27						
12	7	59	12	16	10	13	23	18	18	36						
12	14	59	12	22	27	12	39	42	22	64						
12	21	59	12	30	17	8	25	19	1	20						
12	28	59	3	29	72	15	87	86	2	88						
1	4	60	1	12	39	14	53	153	1	154						
1	11	60	1	20	8	18	26	34	0	34						
1	18	60	1	28	146	14	160	185	8	193						
2	1	60	2	11	45	19	64	128	3	131						
2	8	60	2	18	52	3	55	96	15	111						
2	15	60	3	9	43	6	49	75	0	75						
2	22	60	3	11	11	15	26	21	23	44						
2	29	60	3	21	14	11	25	65	9	74						
3	7	60	3	21	14	12	26	4	6	10						
3	15	60	4	27	265	2	267	478	0	478						
3	21	60	4	27	47	4	51	151	0	151						
3	29	60	4	8	156	7	163	296	0	296						
4	4	60	4	18	101	13	114	205	0	205						
4	11	60	4	20	50	3	53	120	1	121						
4	18	60	5	2	66	5	71	100	0	100						
4	25	60	5	6	20	6	26	65	8	73						
5	2	60	5	12	17	4	21	27	34	61						
5	9	60	5	19	16	7	23	65	0	65						
5	16	60	6	1	17	6	23	67	3	70						
5	23	60	6	2	14	2	16	33	8	41						
5	31	60	6	13	15	3	18	24	19	43						
6	13	60	6	21	20	5	25	34	0	34						
6	20	60	6	29	3	3	6	14	0	14						
6	27	60	7	7	7	1	8	6	0	6						
7	6	60	7	15	10	4	14	37	11	48						
7	11	60	7	19	28	5	33	32	11	43						
7	18	60	8	3	7	17	24	16	2	18						
7	25	60	8	17	22	8	30	41	42	83						
8	1	60	8	12	2	5	7	0	0	0						
8	8	60	8	22	33	15	48	58	0	58						
8	15	60	11	10	66	14	80	46	0	46						
8	22	60	9	16	26	17	43	53	0	53						
8	29	60	9	20	42	20	62	167	5	172						
9	12	60	9	26	10	49	59	9	0	9						
9	19	60	10	4	40	32	72	85	67	152						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: COLORADO
MAJOR BASIN: COLORADO RIVER
SUB BASIN: UPPER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT LOMA, COLORADO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	12	59	11	16	8	5	13	0	7	7						
10	19	59	10	29	7	3	10	28	24	52						
11	3	59	12	24	82	10	92	322	0	322						
11	9	59	11	19	1	4	5	15	30	45						
11	16	59	11	20	3	14	17	0	0	0						
11	23	59	12	9	-	-	-	0	0	0						
11	30	59	12	15	0	10	10	0	0	0						
12	7	59	12	16	1	12	13	0	0	0						
12	28	59	1	5	-	-	-	0	15	15						
1	5	60	1	24	-	-	-	0	0	0						
1	11	60	1	20	1	1	2	6	26	32						
1	25	60	2	8	2	7	9	0	0	0						
2	8	60	2	17	17	0	17	16	5	21						
2	23	60	3	11	0	15	15	0	0	0						
3	7	60	3	28	4	4	8	9	78	87						
3	29	60	4	13	17	14	31	86	71	157						
4	11	60	4	25	7	2	9	50	0	50						
4	25	60	5	10	14	1	15	0	0	0						
5	9	60	5	25	2	4	6	0	0	0						
5	23	60	6	10	4	5	9	9	70	79						
6	13	60	6	21	5	3	8	8	0	8						
6	27	60	7	11	1	2	3	0	2	2						
7	5	60	8	8	1	6	7	0	0	0						
7	25	60	8	17	1	20	21	0	0	0						
8	8	60	8	22	3	4	7	0	0	0						
8	29	60	9	21	1	22	23	0	12	12						
9	12	60	10	4	1	20	21	0	8	8						
9	26	60	10	12	0	11	11	0	28	28						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT CLATSKANIE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10 19	-	-	-	14	150	164						
10	19	59	10 28	-	-	-	23	168	191						
10	26	59	11 6	0	1	1	7	101	108						
11	2	59	11 12	-	-	-	21	188	209						
11	16	59	12 1	-	-	-	31	158	189						
11	23	59	12 11	0	0	0	12	109	121						
11	30	59	12 17	-	-	-	28	155	183						
12	14	59	12 29	-	-	-	19	132	151						
12	21	59	12 30	-	-	-	12	138	150						
12	28	59	1 6	-	-	-	42	214	256						
1	4	60	1 18	-	-	-	24	153	177						
1	11	60	1 22	-	-	-	21	142	163						
1	18	60	1 28	-	-	-	30	250	280						
1	25	60	2 9	0	0	0	148	39	186						
2	1	60	2 15	-	-	-	32	799	831						
2	8	60	2 24	-	-	-	12	66	78						
2	15	60	3 9	0	0	0	16	40	56						
2	23	60	3 17	0	1	1	23	62	85						
2	29	60	3 21	0	0	0	10	95	105						
3	7	60	3 21	0	0	0	14	162	176						
3	14	60	3 28	-	-	-	22	60	82						
3	21	60	4 5	0	1	1	16	87	103						
3	28	60	4 19	1	1	2	20	120	140						
4	4	60	4 19	-	-	-	9	41	50						
4	11	60	4 25	-	-	-	21	85	106						
4	18	60	5 2	-	-	-	20	58	78						
4	25	60	5 10	0	0	0	30	75	105						
5	2	60	5 19	-	-	-	15	67	82						
5	10	60	6 1	-	-	-	8	75	83						
5	16	60	6 1	-	-	-	28	139	167						
5	23	60	6 6	0	0	0	9	52	61						
6	6	60	6 17	-	-	-	30	66	96						
6	13	60	6 24	-	-	-	23	53	76						
6	20	60	6 29	0	0	0	41	79	120						
6	27	60	7 8	0	0	0	19	75	94						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER AT CLATSKANIE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY			GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO. DAY	ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		ppc/g	ppc/g		ppc/l	ppc/l	ppc/l
7	5	60	7	15	-	-	-	18	282	300							
7	11	60	7	22	-	-	-	24	86	110							
7	18	60	8	9	-	-	-	18	103	121							
7	20	60	8	9	-	-	-	18	103	121							
7	25	60	8	12	-	-	-	14	67	81							
8	8	60	8	25	-	-	-	10	61	71							
8	15	60	8	29	-	-	-	16	133	149							
8	22	60	9	16	-	-	-	5	102	107							
8	29	60	9	22	0	4	4	7	77	84							
9	6	60	10	6	-	-	-	7	120	127							
9	12	60	9	27	-	-	-	7	131	138							
9	19	60	10	6	-	-	-	8	211	219							
9	26	60	10	13	0	0	0	12	215	227							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	19	-	-	-	15	280	295					
10	19	59	11	2	-	-	-	8	260	268					
10	26	59	11	5	0	0	0	44	301	345					
11	2	59	11	12	-	-	-	16	239	255					
11	9	59	11	19	-	-	-	17	184	201					
11	23	59	12	11	0	0	0	29	173	202					
11	30	59	12	15	-	-	-	28	319	347					
12	14	59	12	29	-	-	-	33	295	328					
1	4	60	1	19	-	-	-	13	216	229					
1	18	60	1	28	-	-	-	32	340	372					
1	25	60	2	9	0	1	1	42	408	450					
2	23	60	3	17	0	0	0	76	150	226					
3	7	60	3	23	0	0	0	24	225	249					
3	21	60	4	5	1	2	3	46	267	313					
4	4	60	4	19	-	-	-	79	164	243					
4	18	60	5	2	-	-	-	39	104	143					
5	9	60	5	23	-	-	-	61	172	233					
5	23	60	6	6	0	0	0	15	128	143					
6	13	60	6	27	-	-	-	8	69	77					
6	27	60	7	12	0	0	0	27	129	156					
7	11	60	7	29	-	-	-	34	111	145					
7	25	60	8	12	-	-	-	18	158	176					
8	8	60	8	26	-	-	-	23	229	252					
8	21	60	9	13	-	-	-	8	142	150					
9	19	60	9	30	-	-	-	2	291	293					

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	19	-	-	-	15	337	352							
10	13	59	10	28	-	-	-	26	380	406							
10	20	59	11	2	-	-	-	21	448	469							
10	26	59	11	6	0	0	0	37	614	651							
11	2	59	11	13	-	-	-	43	499	542							
11	9	59	11	20	-	-	-	51	261	312							
11	16	59	12	14	-	-	-	140	285	425							
11	23	59	12	14	0	0	0	115	468	583							
11	30	59	12	15	-	-	-	39	303	342							
12	7	59	12	18	-	-	-	72	704	776							
12	14	59	12	29	-	-	-	57	633	690							
12	21	59	12	31	0	0	0	75	691	766							
12	28	59	1	7	-	-	-	133	817	950							
1	4	60	1	19	-	-	-	70	918	988							
1	11	60	1	22	-	-	-	94	948	1042							
1	18	60	1	28	-	-	-	560	1064	1624							
1	25	60	2	9	0	1	1	61	472	533							
2	1	60	2	15	-	-	-	121	187	308							
2	8	60	2	25	-	-	-	233	428	661							
2	15	60	3	9	-	-	-	88	553	641							
2	23	60	3	17	0	0	0	28	484	512							
2	29	60	3	21	0	0	0	62	403	465							
3	7	60	3	23	0	0	0	58	523	581							
3	14	60	3	28	-	-	-	85	712	797							
3	21	60	4	5	0	0	0	13	949	952							
3	28	60	4	19	0	0	0	176	395	571							
4	4	60	4	19	-	-	-	59	395	454							
4	11	60	5	6	0	1	1	113	284	397							
4	25	60	5	10	0	0	0	26	203	229							
5	2	60	5	19	-	-	-	63	323	386							
5	9	60	5	23	-	-	-	65	495	560							
5	16	60	6	1	-	-	-	20	174	194							
5	24	60	6	6	0	0	0	23	214	237							
5	31	60	6	17	-	-	-	29	208	237							
6	6	60	6	17	-	-	-	26	219	245							
6	13	60	6	27	-	-	-	18	133	151							
6	20	60	7	5	-	-	-	8	105	113							
6	27	60	7	11	0	0	0	34	169	203							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY			GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l			ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
7	5	60	7	15	-	-	-	19	176	195							
7	11	60	8	3	-	-	-	8	97	105							
7	18	60	8	9	0	1	1	12	8	20							
7	25	60	8	17	0	0	0	18	110	128							
8	8	60	8	25	-	-	-	21	230	251							
8	15	60	8	29	-	-	-	35	310	345							
8	22	60	9	13	-	-	-	27	370	397							
8	29	60	9	20	0	0	0	24	195	219							
9	6	60	10	10	-	-	-	35	513	548							
9	12	60	10	24	-	-	-	15	308	323							
9	19	60	10	7	0	0	0	65	729	794							
9	26	60	10	12	0	1	1	48	652	700							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER ABOVE YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	15	-	-	-	0	3	3						
10	12	59	10	22	-	-	-	1	11	12						
10	19	59	10	30	-	-	-	0	0	0						
10	27	59	11	5	0	0	0	0	3	3						
11	2	59	11	13	-	-	-	0	3	3						
11	9	59	11	19	-	-	-	1	15	16						
11	16	59	11	25	-	-	-	0	2	2						
11	23	59	12	14	0	0	0	0	3	3						
11	30	59	12	17	-	-	-	0	0	0						
12	7	59	12	22	-	-	-	0	0	0						
12	14	59	12	28	-	-	-	0	5	5						
12	21	59	12	30	-	-	-	0	0	0						
12	28	59	1	7	-	-	-	0	0	0						
1	4	60	1	12	-	-	-	2	3	5						
1	11	60	1	20	-	-	-	0	0	0						
1	25	60	2	10	0	2	2	0	8	8						
2	8	60	2	17	-	-	-	2	4	6						
2	23	60	3	9	0	0	0	0	0	0						
3	7	60	3	24	-	-	-	0	0	0						
3	28	60	4	8	0	0	0	0	0	0						
4	11	60	4	21	0	1	1	1	0	1						
4	28	60	5	12	0	0	0	0	0	0						
5	9	60	5	24	-	-	-	0	0	0						
5	23	60	6	3	0	0	0	1	0	1						
6	13	60	6	22	-	-	-	0	0	0						
6	27	60	7	8	0	0	0	0	0	0						
7	11	60	7	29	-	-	-	0	0	0						
7	25	60	8	18	0	0	0	0	0	0						
8	8	60	8	26	-	-	-	0	0	0						
8	29	60	9	16	0	1	1	0	0	0						
9	12	60	9	28	-	-	-	0	0	0						
9	28	60	10	14	0	1	1	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: CONNECTICUT RIVER
STATION LOCATION: CONNECTICUT RIVER BELOW NORTHFIELD, MASSACHUSETTS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
11	2	59	11	12	1	0	1	0	0	0							
11	9	59	11	18	-	-	-	0	0	0							
11	16	59	12	1	-	-	-	0	0	0							
11	23	59	12	14	-	-	-	0	0	0							
11	30	59	12	17	0	0	0	0	0	0							
12	7	59	12	18	-	-	-	1	0	1							
12	14	59	12	29	-	-	-	0	0	0							
2	29	60	3	23	0	0	0	0	1	1							
3	31	60	4	13	-	-	-	5	1	6							
5	3	60	5	31	0	0	0	0	0	0							
6	7	60	6	29	0	0	0	0	0	0							
8	18	60	9	22	-	-	-	1	0	1							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION: DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10 12	0	0	0	6	10	16						
10	13	59	10 26	-	-	-	0	0	0						
10	19	59	10 28	-	-	-	0	0	0						
10	26	59	11 2	-	-	-	9	5	14						
11	9	59	11 19	-	-	-	0	0	0						
11	16	59	11 20	-	-	-	2	3	5						
11	23	59	12 8	-	-	-	0	0	0						
11	30	59	12 16	1	0	1	0	0	0						
12	7	59	12 15	-	-	-	0	0	0						
12	14	59	12 28	-	-	-	0	0	0						
12	28	59	1 7	-	-	-	0	0	0						
1	4	60	1 18	1	0	1	0	0	0						
1	12	60	1 22	-	-	-	0	0	0						
1	25	60	2 1	-	-	-	10	0	10						
2	8	60	2 15	0	0	0	0	0	0						
2	23	60	3 18	-	-	-	0	0	0						
3	7	60	3 24	0	0	0	0	6	6						
3	29	60	4 8	-	-	-	0	0	0						
4	12	60	4 20	1	0	1	0	6	6						
4	26	60	5 6	-	-	-	0	0	0						
5	9	60	5 23	0	0	0	0	0	0						
5	23	60	6 6	-	-	-	0	1	1						
6	13	60	6 21	6	0	6	2	0	2						
6	27	60	7 8	-	-	-	0	0	0						
7	11	60	7 19	4	0	4	0	0	0						
7	25	60	8 19	-	-	-	0	0	0						
8	8	60	8 25	3	1	4	0	7	7						
8	29	60	9 20	-	-	-	0	4	4						
9	13	60	9 30	3	1	4	0	0	0						
9	27	60	10 14	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: PENNSYLVANIA

MAJOR BASIN: NORTH ATLANTIC

SUB BASIN: DELAWARE-LEHIGH RIVERS

STATION LOCATION: DELAWARE RIVER AT MARTINS CREEK, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
1	6	60	1	19	-	-	-	0	1	1					
1	11	60	1	22	0	0	0	14	19	33					
1	27	60	2	9	0	1	1	1	0	1					
2	10	60	2	24	0	0	0	0	0	0					
2	24	60	3	11	-	-	-	2	3	5					
3	9	60	3	23	0	0	0	0	0	0					
3	30	60	4	7	-	-	-	0	1	1					
4	13	60	4	20	1	0	1	0	0	0					
4	27	60	5	6	-	-	-	0	5	5					
5	11	60	5	23	0	0	0	0	0	0					
5	25	60	6	2	-	-	-	0	0	0					
6	15	60	6	24	0	0	0	0	3	3					
6	29	60	7	11	-	-	-	0	4	4					
7	13	60	7	21	-	-	-	0	5	5					
7	27	60	8	19	-	-	-	0	0	0					
8	10	60	8	25	0	1	1	0	0	0					
8	31	60	9	20	-	-	-	0	0	0					
9	14	60	9	29	0	0	0	0	0	0					
9	28	60	10	12	-	-	-	2	0	2					

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN PERDIDO-ESCAMBIA RIVER

STATION LOCATION ESCAMBIA RIVER AT CENTURY, FLORIDA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	29	60	9	14	0	1	1	0	0	0						
9	6	60	9	23	14	3	17	0	0	0						
9	19	60	10	3	0	0	0	0	0	0						
9	26	60	10	14	3	1	4	16	0	16						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEW YORK
MAJOR BASIN: NORTHEAST
SUB BASIN: ST. LAWRENCE RIVER
STATION LOCATION: ST. LAWRENCE RIVER AT MASSENA, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL					
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
5	23	60	6	2	0	0	0	0	0	0						
5	31	60	6	13	0	0	0	0	0	0						
6	6	60	6	17	0	0	0	0	0	0						
6	13	60	6	27	0	0	0	0	14	14						
6	20	60	7	1	0	0	0	0	0	0						
6	27	60	7	8	0	0	0	0	0	0						
7	5	60	7	19	0	0	0	0	0	0						
7	11	60	7	26	0	0	0	0	1	1						
7	19	60	8	18	0	0	0	0	5	5						
7	25	60	8	17	0	1	1	0	0	0						
8	2	60	8	19	0	0	0	0	0	0						
8	8	60	8	19	0	0	0	0	0	0						
8	15	60	9	1	0	1	1	0	2	2						
8	22	60	9	14	0	0	0	0	0	0						
8	29	60	9	13	0	0	0	0	6	6						
9	6	60	10	6	0	1	1	2	5	7						
9	12	60	9	28	0	0	0	0	5	5						
9	19	60	9	30	1	1	2	0	0	0						
9	26	60	10	17	0	1	1	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA RIVER

STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
NO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	NO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	7	59	10	15	0	1	1	0	6	6							
10	14	59	11	22	-	-	-	93	0	93							
10	21	59	10	29	-	-	-	18	0	18							
10	28	59	11	6	-	-	-	0	0	0							
11	5	59	11	12	0	0	0	0	3	3							
11	12	59	11	18	-	-	-	7	20	27							
11	19	59	12	10	-	-	-	0	0	0							
11	25	59	12	11	-	-	-	0	0	0							
12	2	59	12	15	0	0	0	0	5	5							
12	9	59	12	18	-	-	-	8	8	16							
12	23	59	1	7	-	-	-	0	4	4							
1	6	60	1	14	0	1	1	0	0	0							
1	13	60	1	22	-	-	-	0	0	0							
1	27	60	2	9	-	-	-	10	7	17							
2	10	60	2	24	0	0	0	0	0	0							
2	22	60	3	9	-	-	-	0	0	0							
3	9	60	3	24	0	1	1	0	0	0							
3	30	60	4	8	-	-	-	0	2	2							
4	13	60	4	21	0	0	0	0	0	0							
4	27	60	5	6	-	-	-	0	2	2							
5	11	60	5	23	0	0	0	0	0	0							
5	26	60	6	6	-	-	-	0	0	0							
6	15	60	6	24	0	0	0	0	2	2							
6	30	60	7	8	-	-	-	0	2	2							
7	13	60	7	29	-	-	-	0	14	14							
7	27	60	8	15	-	-	-	0	10	10							
8	10	60	8	22	1	1	2	4	4	8							
9	1	60	9	21	-	-	-	0	0	0							
9	14	60	10	10	0	1	1	0	2	2							
9	28	60	10	19	-	-	-	0	1	1							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	59	10	15	0	0	0	12	6	18							
10	13	59	10	21	-	-	-	0	0	0							
10	20	59	10	27	-	-	-	0	3	3							
11	3	59	11	12	1	1	2	0	0	0							
11	10	59	11	17	-	-	-	0	0	0							
11	17	59	11	23	-	-	-	0	0	0							
11	25	59	12	11	-	-	-	0	0	0							
12	8	59	12	23	0	0	0	0	0	0							
12	29	59	1	13	-	-	-	1	4	5							
1	5	60	1	14	1	0	1	1	5	6							
1	12	60	1	22	-	-	-	0	0	0							
1	29	60	2	10	-	-	-	0	15	15							
2	2	60	3	3	0	0	0	0	0	0							
2	26	60	3	9	-	-	-	0	0	0							
3	8	60	3	24	0	0	0	0	1	1							
3	29	60	4	6	-	-	-	0	5	5							
4	13	60	4	25	0	0	0	0	0	0							
4	19	60	5	18	-	-	-	0	0	0							
5	11	60	5	23	0	0	0	0	0	0							
5	24	60	6	13	-	-	-	0	5	5							
6	13	60	6	23	0	1	1	0	0	0							
6	28	60	7	8	-	-	-	0	0	0							
7	12	60	7	19	0	0	0	1	0	1							
7	26	60	8	11	-	-	-	0	0	0							
8	9	60	8	25	0	0	0	0	0	0							
8	31	60	9	22	-	-	-	1	0	1							
9	6	60	9	26	0	1	1	0	0	0							
9	28	60	10	12	-	-	-	0	3	3							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MICHIGAN
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: ST. CLAIR-DETROIT RIVERS
STATION LOCATION: ST. CLAIR RIVER AT PORT HURON, MICHIGAN

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
5	16	60	6	1	0	0	0	0	0	0							
5	23	60	6	2	0	0	0	0	0	0							
5	31	60	6	10	0	0	0	0	0	0							
6	3	60	6	13	0	1	1	0	0	0							
6	13	60	6	24	0	1	1	1	0	1							
6	20	60	6	30	0	0	0	2	0	2							
6	27	60	7	7	0	0	0	0	5	5							
7	5	60	7	13	0	0	0	0	4	4							
7	11	60	7	21	0	0	0	0	0	0							
7	18	60	8	3	0	0	0	0	16	16							
7	25	60	8	18	0	0	0	0	0	0							
8	1	60	8	25	0	0	0	0	0	0							
8	8	60	8	19	0	0	0	0	10	10							
8	15	60	8	29	0	0	0	0	0	0							
8	22	60	8	29	0	0	0	0	0	0							
8	29	60	9	14	0	2	2	0	3	3							
9	12	60	9	26	0	1	1	0	24	24							
9	19	60	10	5	0	0	0	0	4	4							
9	26	60	10	7	0	1	1	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WISCONSIN

MAJOR BASIN: WESTERN GREAT LAKES

SUB BASIN: LAKE MICHIGAN, WESTERN SHORE

STATION LOCATION: LAKE MICHIGAN AT MILWAUKEE, WISCONSIN

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	15	60	9 21	0	6	6	0	0	0						
8	22	60	9 20	0	2	2	0	0	0						
8	29	60	9 20	0	1	1	0	0	0						
9	6	60	9 28	0	1	1	0	9	9						
9	12	60	9 30	0	1	1	0	0	0						
9	19	60	9 29	0	1	1	1	5	6						
9	25	60	10 4	0	1	1	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: INDIANA

MAJOR BASIN: WESTERN GREAT LAKES

SUB BASIN: ST. JOSEPH RIVER

STATION LOCATION: LAKE MICHIGAN AT GARY INDIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	12	59	10	16	0	1	1	2	2	4							
10	19	59	10	27	-	-	-	4	0	4							
10	26	59	11	2	-	-	-	3	5	8							
11	2	59	11	9	-	-	-	3	0	3							
11	9	59	11	17	0	0	0	3	5	8							
11	16	59	11	19	-	-	-	0	1	1							
11	23	59	12	1	-	-	-	4	11	15							
12	7	59	12	31	0	0	0	0	0	0							
12	14	59	1	14	-	-	-	0	0	0							
12	21	59	1	14	-	-	-	3	5	8							
1	5	60	1	11	-	-	-	0	3	3							
1	11	60	1	19	0	0	0	0	0	0							
1	26	60	2	1	-	-	-	0	0	0							
2	8	60	2	15	0	1	1	0	6	6							
3	15	60	4	18	-	-	-	0	0	0							
5	10	60	5	31	0	0	0	0	0	0							
5	24	60	6	3	-	-	-	0	0	0							
7	12	60	7	19	0	0	0	0	0	0							
7	19	60	8	18	-	-	-	0	0	0							
8	9	60	8	25	0	0	0	0	0	0							
8	30	60	9	16	-	-	-	0	0	0							
9	13	60	10	3	1	0	1	0	0	0							
9	27	60	10	17	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MICHIGAN
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: LAKE SUPERIOR
STATION LOCATION: ST. MARYS RIVER AT SAULT STE. MARIE, MICHIGAN

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
11	9	59	11	18	0	0	0	2	9	11						
11	16	59	11	23	-	-	-	0	2	2						
11	23	59	12	10	-	-	-	18	0	18						
11	30	59	12	15	-	-	-	0	0	0						
12	7	59	12	18	0	0	0	0	1	1						
12	14	59	12	29	-	-	-	0	0	0						
12	21	59	12	31	-	-	-	0	0	0						
12	28	59	1	7	-	-	-	0	0	0						
1	4	60	1	12	-	-	-	2	0	2						
1	11	60	1	20	0	0	0	0	0	0						
1	25	60	2	8	-	-	-	0	0	0						
2	8	60	2	17	0	0	0	0	0	0						
2	22	60	3	9	-	-	-	0	2	2						
3	7	60	3	24	0	0	0	0	4	4						
3	28	60	4	6	-	-	-	0	6	6						
4	11	60	4	21	0	0	0	0	0	0						
4	25	60	5	6	-	-	-	0	0	0						
5	9	60	5	24	0	1	1	0	0	0						
5	23	60	6	2	-	-	-	0	0	0						
6	13	60	6	23	0	0	0	0	1	1						
6	27	60	7	7	-	-	-	0	0	0						
7	11	60	7	21	0	0	0	3	0	3						
7	25	60	8	10	-	-	-	0	0	0						
8	8	60	8	25	0	0	0	0	0	0						
8	29	60	9	16	-	-	-	11	0	11						
9	12	60	10	5	0	0	0	0	0	0						
9	26	60	10	7	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MINNESOTA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: LAKE SUPERIOR
STATION LOCATION: LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	5	59	10	19	-	-	-	0	3	3							
10	12	59	10	21	0	1	1	3	1	4							
10	19	59	11	27	-	-	-	1	12	13							
10	26	59	11	5	-	-	-	0	0	0							
11	2	59	11	13	-	-	-	0	1	1							
11	9	59	11	17	0	0	0	1	2	3							
11	16	59	11	25	-	-	-	2	2	4							
11	23	59	12	8	-	-	-	0	0	0							
11	30	59	12	14	-	-	-	0	0	0							
12	7	59	12	17	0	0	0	0	0	0							
12	14	59	12	28	-	-	-	2	0	2							
12	21	59	12	30	-	-	-	0	0	0							
12	28	59	1	5	-	-	-	1	0	1							
1	4	60	1	12	-	-	-	5	20	25							
1	11	60	1	21	0	0	0	3	1	4							
1	25	60	2	8	-	-	-	0	7	7							
2	8	60	2	17	0	0	0	0	0	0							
2	23	60	3	9	-	-	-	0	0	0							
3	7	60	3	24	0	0	0	0	0	0							
3	28	60	4	5	-	-	-	0	2	2							
4	11	60	4	21	0	0	0	0	0	0							
4	25	60	5	3	-	-	-	2	0	2							
5	9	60	5	23	0	0	0	0	0	0							
5	23	60	6	3	-	-	-	0	0	0							
6	13	60	6	21	0	0	0	0	0	0							
6	27	60	7	5	-	-	-	0	0	0							
7	11	60	7	21	0	0	0	0	0	0							
7	25	60	8	15	-	-	-	0	0	0							
8	8	60	8	26	0	0	0	0	0	0							
8	22	60	9	23	-	-	-	0	0	0							
9	12	60	10	4	0	1	1	0	0	0							
9	26	60	10	5	-	-	-	0	2	2							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEW YORK
MAJOR BASIN: NORTHEAST
SUB BASIN: LOWER HUDSON RIVER
STATION LOCATION: HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	7	59	10 15	0	1	1	2	12	14						
10	14	59	10 26	-	-	-	0	2	2						
10	21	59	10 30	-	-	-	0	0	0						
10	28	59	11 6	-	-	-	0	10	10						
11	4	59	11 13	0	0	0	0	0	0						
11	11	59	11 18	-	-	-	0	0	0						
11	18	59	12 8	-	-	-	55	0	55						
11	25	59	12 10	-	-	-	0	0	0						
12	9	59	12 31	1	0	1	6	0	6						
12	16	59	1 14	-	-	-	0	0	0						
12	23	59	1 14	-	-	-	0	0	0						
12	30	59	1 13	-	-	-	1	8	9						
1	6	60	1 19	0	0	0	3	42	45						
1	13	60	1 22	-	-	-	0	11	11						
1	20	60	2 11	-	-	-	31	10	41						
2	10	60	2 24	1	1	2	0	2	2						
2	24	60	3 7	-	-	-	0	0	0						
3	9	60	3 23	0	1	1	0	0	0						
3	30	60	4 8	-	-	-	0	0	0						
4	13	60	4 20	1	0	1	1	5	6						
4	27	60	5 6	-	-	-	0	0	0						
5	11	60	5 26	0	0	0	0	0	0						
5	18	60	6 10	-	-	-	0	0	0						
6	15	60	6 24	1	0	1	1	2	3						
6	29	60	7 7	-	-	-	0	0	0						
7	13	60	8 3	-	-	-	0	4	4						
8	10	60	8 24	0	1	1	0	0	0						
8	17	60	9 13	-	-	-	0	3	3						
8	24	60	9 13	-	-	-	0	4	4						
8	31	60	9 23	-	-	-	0	0	0						
9	14	60	9 27	0	1	1	0	0	0						
9	28	60	10 14	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ILLINOIS
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: ILLINOIS RIVER
STATION LOCATION: ILLINOIS RIVER AT PEORIA, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
3	31	60	4 13	1	3	4	0	0	0						
4	4	60	4 13	3	2	5	17	4	21						
4	11	60	4 20	1	0	1	0	1	1						
4	18	60	5 3	0	0	0	1	0	1						
4	25	60	5 3	0	0	0	0	2	2						
5	2	60	5 12	0	2	2	0	7	7						
5	9	60	5 19	1	1	2	0	0	0						
5	16	60	5 31	0	1	1	0	0	0						
5	22	60	6 2	1	0	1	0	0	0						
5	31	60	6 10	0	5	5	0	0	0						
6	6	60	6 13	1	2	3	0	0	0						
6	13	60	6 21	1	2	3	0	4	4						
6	21	60	6 29	0	0	0	0	0	0						
6	27	60	7 1	0	0	0	0	0	0						
7	6	60	7 13	1	0	1	0	0	0						
7	12	60	7 19	2	6	8	0	5	5						
7	19	60	7 26	0	1	1	8	1	9						
7	25	60	8 18	1	2	3	0	0	0						
8	2	60	8 17	1	0	1	0	0	0						
8	8	60	8 22	1	1	2	0	20	20						
8	15	60	8 26	0	3	3	0	0	0						
8	22	60	9 1	1	2	3	27	76	103						
8	29	60	9 14	1	1	2	0	0	0						
9	6	60	9 23	1	3	4	0	0	0						
9	12	60	9 23	1	3	4	0	5	5						
9	19	60	10 5	1	3	4	0	9	9						
9	26	60	10 10	1	3	4	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: KANAWHA RIVER
STATION LOCATION: KANAWHA RIVER AT WINFIELD DAM, WEST VIRGINIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
2	24	60	3	21	0	0	0	0	0	0						
3	2	60	3	21	0	0	0	0	0	0						
3	9	60	3	23	0	0	0	0	0	0						
3	16	60	3	24	0	0	0	0	0	0						
3	25	60	4	5	0	0	0	0	0	0						
3	30	60	4	7	6	1	7	19	7	26						
4	6	60	4	18	2	0	2	0	0	0						
4	13	60	4	21	0	0	0	0	0	0						
4	27	60	5	10	0	0	0	0	0	0						
5	4	60	5	17	0	0	0	0	0	0						
5	12	60	5	19	0	0	0	0	0	0						
5	18	60	6	2	0	0	0	0	0	0						
5	26	60	6	6	0	0	0	0	0	0						
6	1	60	6	10	0	1	1	0	0	0						
6	6	60	6	17	0	0	0	0	0	0						
6	23	60	7	1	0	0	0	0	0	0						
7	8	60	7	19	0	0	0	0	0	0						
7	15	60	7	22	0	1	1	0	0	0						
7	20	60	8	9	-	-	-	0	0	0						
8	10	60	8	25	0	1	1	0	0	0						
8	31	60	9	23	-	-	-	0	0	0						
9	7	60	9	23	-	-	-	0	6	6						
9	14	60	10	4	0	0	0	0	0	0						
9	19	60	9	29	-	-	-	0	10	10						
9	29	60	10	13	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: MERRIMAC RIVER
STATION LOCATION: MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	26	59	11 6	–	–	–	15	6	21						
11	10	59	11 19	–	–	–	30	4	34						
11	17	59	12 1	–	–	–	0	3	3						
11	24	59	12 11	–	–	–	0	2	2						
12	1	59	12 14	1	0	1	0	0	0						
12	15	59	12 29	–	–	–	3	3	6						
12	29	59	1 18	–	–	–	3	1	4						
1	7	60	1 18	2	0	2	4	0	4						
1	21	60	2 11	–	–	–	2	4	6						
1	26	60	2 15	–	–	–	0	0	0						
2	1	60	3 3	1	1	2	0	0	0						
2	23	60	3 18	–	–	–	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION: MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	1	59	10 12	-	-	-	5	21	26						
10	8	59	10 19	-	-	-	2	20	22						
10	15	59	11 16	33	1	34	48	2	50						
10	22	59	11 2	13	2	15	14	3	17						
10	27	59	11 6	-	-	-	5	0	5						
11	5	59	11 13	-	-	-	48	16	64						
11	12	59	11 19	-	-	-	7	46	53						
11	16	59	12 1	-	-	-	11	11	22						
12	3	59	12 14	-	-	-	0	0	0						
12	10	59	12 18	-	-	-	0	1	1						
12	17	59	12 29	2	0	2	4	2	6						
12	24	59	1 5	-	-	-	9	3	12						
12	31	59	1 11	-	-	-	11	1	12						
1	7	60	1 19	-	-	-	13	1	14						
1	21	60	2 11	6	4	10	6	7	13						
2	11	60	2 25	-	-	-	27	14	41						
2	25	60	3 21	7	1	8	6	2	8						
3	10	60	3 25	-	-	-	12	7	19						
3	31	60	4 8	3	0	3	8	29	37						
4	14	60	4 29	-	-	-	19	0	19						
4	28	60	5 17	10	1	11	1	6	7						
5	12	60	5 31	-	-	-	40	13	53						
5	26	60	6 8	8	2	10	11	7	18						
6	16	60	6 24	7	1	8	14	5	19						
6	30	60	7 8	0	2	2	1	7	8						
7	14	60	7 29	3	1	4	10	6	16						
7	28	60	8 17	3	1	4	5	4	9						
8	11	60	8 26	-	-	-	0	0	0						
9	1	60	9 21	0	3	3	0	14	14						
9	15	60	10 5	-	-	-	0	0	0						
9	29	60	10 17	0	0	0	0	15	15						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER MISSISSIPPI-YAZOO RIVERS
STATION LOCATION: MISSISSIPPI RIVER AT DELTA, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	59	10 16	-	-	-	35	7	42						
10	12	59	10 22	-	-	-	93	3	96						
10	19	59	11 2	7	0	7	15	0	15						
10	26	59	11 6	-	-	-	0	13	13						
11	2	59	11 13	-	-	-	11	9	20						
11	9	59	11 19	-	-	-	25	1	26						
11	16	59	11 25	2	2	4	27	17	44						
11	23	59	12 11	-	-	-	0	10	10						
11	30	59	12 18	-	-	-	4	5	9						
12	7	59	12 18	-	-	-	7	12	19						
12	14	59	12 28	3	1	4	5	0	5						
12	21	59	1 6	-	-	-	13	0	13						
12	28	59	1 6	-	-	-	0	0	0						
1	25	60	2 9	1	3	4	25	13	38						
2	8	60	2 25	-	-	-	16	3	19						
2	17	60	3 21	6	1	7	9	10	19						
3	7	60	3 24	-	-	-	3	3	6						
3	28	60	4 10	2	1	3	15	11	26						
5	4	60	5 1	-	-	-	8	0	8						
5	19	60	5 9	3	0	3	8	5	13						
6	16	60	6 28	5	2	7	0	0	0						
7	12	60	8 8	-	-	-	0	0	0						
7	26	60	8 26	-	-	-	27	3	30						
8	12	60	8 26	-	-	-	0	9	9						
8	24	60	9 26	1	2	3	0	2	2						
9	7	60	10 3	-	-	-	0	0	0						
9	28	60	10 24	-	-	-	0	9	9						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION: MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	5	59	10	15	-	-	-	24	17	41						
10	12	59	10	22	-	-	-	13	0	13						
10	26	59	11	5	-	-	-	14	13	27						
11	2	59	11	13	-	-	-	1	3	4						
11	9	59	11	19	-	-	-	15	4	19						
11	16	59	11	25	-	-	-	8	13	21						
11	23	59	12	11	-	-	-	3	8	11						
12	7	59	12	24	2	1	3	0	0	0						
12	28	59	1	13	-	-	-	2	0	2						
1	4	60	1	11	-	-	-	18	10	28						
1	11	60	1	22	-	-	-	0	7	7						
1	25	60	2	8	3	0	3	3	6	9						
2	8	60	2	17	-	-	-	12	12	24						
2	22	60	3	7	3	0	3	22	36	58						
3	7	60	3	25	-	-	-	8	10	18						
3	28	60	4	6	2	1	3	2	0	2						
4	4	60	5	2	-	-	-	15	0	15						
4	25	60	5	17	7	2	9	11	0	11						
5	9	60	5	24	-	-	-	0	1	1						
5	23	60	6	8	0	1	1	0	0	0						
6	6	60	6	28	7	0	7	0	0	0						
6	27	60	7	5	-	-	-	13	12	25						
7	5	60	7	13	-	-	-	52	20	72						
7	11	60	8	8	-	-	-	0	0	0						
7	25	60	8	9	5	1	6	0	4	4						
8	1	60	8	26	-	-	-	11	10	21						
8	8	60	8	26	-	-	-	6	10	16						
8	29	60	9	13	2	0	2	25	5	30						
9	12	60	9	29	-	-	-	10	5	15						
9	26	60	10	12	1	2	3	0	2	2						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA					GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	5	59	10	14	-	-	-	57	0	57						
10	12	59	10	21	-	-	-	83	10	93						
10	19	59	10	28	16	4	20	11	0	11						
10	26	59	11	5	-	-	-	5	19	24						
11	2	59	11	12	-	-	-	24	6	30						
11	9	59	11	18	-	-	-	23	10	33						
11	16	59	11	23	4	2	6	20	6	26						
11	23	59	12	8	-	-	-	0	0	0						
11	30	59	12	14	-	-	-	0	0	0						
12	7	59	12	17	-	-	-	2	2	4						
12	14	59	12	28	1	1	2	0	2	2						
12	21	59	12	31	-	-	-	18	4	22						
12	28	59	1	6	-	-	-	4	13	17						
1	4	60	1	13	-	-	-	24	2	26						
1	11	60	1	21	-	-	-	12	7	19						
1	25	60	2	10	5	2	7	23	10	33						
2	8	60	2	18	-	-	-	2	0	2						
2	23	60	3	11	6	2	8	5	11	16						
3	7	60	3	24	-	-	-	0	0	0						
3	28	60	4	6	1	2	3	0	0	0						
4	11	60	4	25	10	2	12	20	5	25						
4	25	60	5	17	9	1	10	1	0	1						
5	9	60	5	24	-	-	-	0	2	2						
5	23	60	6	8	-	-	-	29	21	50						
6	13	60	6	22	17	1	18	29	33	62						
6	28	60	7	8	18	1	19	36	0	36						
7	11	60	7	19	-	-	-	0	0	0						
7	25	60	8	11	5	0	5	7	8	15						
8	8	60	8	24	-	-	-	0	0	0						
8	29	60	9	16	0	2	2	0	0	0						
9	12	60	9	30	-	-	-	26	6	32						
9	26	60	10	11	1	8	9	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY			GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO DAY	ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
10	5	59	10	14	-	-	-	21	3	24							
10	12	59	10	21	16	2	18	0	3	3							
10	19	59	10	27	-	-	-	0	2	2							
10	26	59	11	2	-	-	-	0	0	0							
11	2	59	11	9	-	-	-	0	8	8							
11	9	59	11	17	2	0	2	1	0	1							
11	16	59	11	19	-	-	-	12	8	20							
11	23	59	12	8	-	-	-	6	7	13							
11	30	59	12	17	-	-	-	0	4	4							
12	7	59	12	17	0	1	1	0	0	0							
12	14	59	12	22	-	-	-	0	0	0							
12	21	59	12	30	-	-	-	0	8	8							
12	28	59	1	5	-	-	-	0	0	0							
1	4	60	1	11	-	-	-	13	6	19							
1	11	60	1	20	1	2	3	0	0	0							
1	25	60	2	1	9	0	9	18	2	20							
2	1	60	3	3	1	2	3	2	0	2							
2	15	60	3	21	1	2	3	0	0	0							
3	7	60	3	25	0	0	0	0	0	0							
3	28	60	4	5	-	-	-	0	0	0							
4	11	60	4	29	3	1	4	13	0	13							
4	25	60	5	17	-	-	-	3	5	8							
5	9	60	5	25	1	3	4	2	1	3							
5	23	60	6	9	-	-	-	0	1	1							
6	13	60	6	21	5	0	5	12	4	16							
6	27	60	7	1	-	-	-	62	0	62							
7	14	60	7	18	5	0	5	4	7	11							
7	25	60	8	10	-	-	-	0	8	8							
8	8	60	8	25	0	3	3	0	1	1							
8	29	60	9	13	-	-	-	0	2	2							
9	12	60	9	23	0	3	3	0	0	0							
9	26	60	10	6	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: IOWA

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION: MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10 14	-	-	-	33	11	44						
10	12	59	10 21	2	2	4	9	2	11						
10	26	59	11 5	-	-	-	9	7	16						
11	2	59	11 10	-	-	-	7	9	16						
11	9	59	11 16	2	1	3	10	1	11						
11	16	59	11 23	-	-	-	1	2	3						
11	23	59	12 8	-	-	-	2	3	5						
11	30	59	12 17	-	-	-	0	0	0						
12	7	59	12 18	1	0	1	0	0	0						
12	14	59	12 28	-	-	-	0	2	2						
12	21	59	12 30	-	-	-	0	5	5						
1	4	60	1 13	-	-	-	14	5	19						
1	11	60	1 21	3	0	3	0	1	1						
1	18	60	2 11	-	-	-	8	2	10						
2	8	60	2 25	1	1	2	0	3	3						
2	15	60	3 18	-	-	-	0	2	2						
3	7	60	3 28	0	1	1	0	0	0						
3	28	60	4 18	-	-	-	0	0	0						
5	2	60	6 1	0	0	0	0	0	0						
5	16	60	6 8	-	-	-	0	83	83						
6	13	60	6 24	4	1	5	20	24	44						
6	20	60	7 22	-	-	-	8	1	9						
8	1	60	8 29	0	0	0	0	1	1						
8	22	60	9 23	-	-	-	0	6	6						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: IOWA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION: MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	13	59	10	23	0	1	1	0	2	2							
10	19	59	10	30	-	-	-	1	11	12							
10	26	59	11	6	-	-	-	0	21	21							
11	9	59	11	18	3	1	4	15	10	25							
11	23	59	12	8	-	-	-	6	1	7							
12	1	59	12	31	0	1	1	0	0	0							
12	8	59	12	29	0	0	0	0	9	9							
1	4	60	1	12	-	-	-	5	19	24							
1	26	60	2	9	-	-	-	0	7	7							
2	9	60	2	17	0	1	1	2	5	7							
2	15	60	3	21	-	-	-	0	1	1							
3	8	60	3	28	0	0	0	0	0	0							
3	21	60	4	19	-	-	-	0	7	7							
5	23	60	6	13	-	-	-	0	0	0							
6	15	60	6	28	0	0	0	0	6	6							
6	21	60	7	22	-	-	-	0	0	0							
7	11	60	7	26	0	1	1	0	3	3							
7	18	60	8	24	1	0	1	3	7	10							
8	8	60	8	29	1	3	4	0	1	1							
8	30	60	9	27	-	-	-	0	0	0							
9	12	60	10	3	0	1	1	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MINNESOTA

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	59	10	14	-	-	-	1	7	8							
10	14	59	10	27	0	2	2	5	0	5							
10	20	59	10	28	-	-	-	3	1	4							
10	27	59	11	5	-	-	-	0	0	0							
11	3	59	11	10	-	-	-	0	19	19							
11	10	59	11	19	0	1	1	4	13	17							
11	17	59	12	1	-	-	-	6	11	17							
11	24	59	12	14	-	-	-	0	0	0							
12	1	59	12	15	-	-	-	0	6	6							
12	8	59	12	18	0	0	0	0	0	0							
12	15	59	12	20	-	-	-	0	0	0							
12	22	59	1	4	-	-	-	0	0	0							
12	29	59	1	7	-	-	-	0	6	6							
1	5	60	1	18	-	-	-	0	0	0							
1	12	60	1	25	0	3	3	0	5	5							
1	26	60	2	10	-	-	-	0	7	7							
2	9	60	2	17	0	2	2	0	28	28							
2	23	60	3	7	-	-	-	0	4	4							
3	8	60	3	25	0	0	0	0	0	0							
3	29	60	4	6	-	-	-	0	8	8							
4	12	60	4	25	1	0	1	1	13	14							
4	26	60	5	6	-	-	-	3	3	6							
5	10	60	5	24	0	3	3	0	5	5							
5	24	60	6	15	-	-	-	4	0	4							
6	14	60	6	21	0	1	1	1	0	1							
6	28	60	7	8	-	-	-	0	1	1							
7	12	60	8	3	-	-	-	0	1	1							
7	26	60	8	19	-	-	-	0	13	13							
8	9	60	8	24	1	2	3	0	5	5							
8	30	60	9	13	-	-	-	0	9	9							
9	13	60	9	27	0	1	1	0	0	0							
9	27	60	10	12	-	-	-	0	4	4							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI

MAJOR BASIN: MISSOURI RIVER

SUB BASIN: LOWER MISSOURI RIVER

STATION LOCATION: MISSOURI RIVER AT ST. LOUIS, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL					
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	5	59	10	19	-	-	-	67	12	79						
10	13	59	11	26	-	-	-	7	4	11						
10	19	59	10	29	12	2	14	32	7	39						
10	26	59	11	5	-	-	-	8	6	14						
11	2	59	11	10	-	-	-	0	0	0						
11	9	59	11	18	-	-	-	12	22	34						
11	16	59	11	23	1	1	2	0	15	15						
11	23	59	12	10	-	-	-	21	6	27						
12	7	59	12	24	4	4	8	6	21	27						
12	28	59	1	13	-	-	-	11	5	16						
1	4	60	1	18	-	-	-	55	10	65						
1	11	60	1	21	-	-	-	14	10	24						
1	25	60	2	8	21	0	21	17	0	17						
2	8	60	2	17	-	-	-	24	16	40						
2	23	60	3	11	6	2	8	11	6	17						
3	7	60	3	24	-	-	-	19	9	28						
3	28	60	4	6	0	1	1	1	1	2						
4	11	60	4	29	-	-	-	9	7	16						
4	25	60	5	12	26	2	28	40	0	40						
5	9	60	5	26	-	-	-	29	6	35						
5	23	60	6	10	16	5	21	51	43	94						
6	13	60	6	23	7	2	9	36	15	51						
6	27	60	7	8	17	2	19	79	4	83						
7	11	60	7	22	-	-	-	58	55	113						
7	25	60	8	19	6	3	9	33	15	48						
8	8	60	8	22	-	-	-	0	14	14						
8	29	60	9	16	1	5	6	0	2	2						
9	12	60	9	30	-	-	-	22	0	22						
9	26	60	10	11	11	6	17	0	7	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: KANSAS
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
10	13	59	10 23	-	-	-	0	0	0							
10	19	59	11 2	6	11	17	12	35	47							
10	26	59	11 5	-	-	-	33	6	39							
11	9	59	11 18	-	-	-	36	0	36							
11	16	59	11 23	4	2	6	28	19	47							
11	23	59	12 9	-	-	-	6	18	24							
11	30	59	12 31	13	6	19	33	6	39							
12	7	59	12 31	-	-	-	15	5	20							
12	21	59	1 14	-	-	-	2	6	8							
12	28	59	1 15	-	-	-	1	6	7							
1	4	60	1 18	-	-	-	16	11	27							
1	11	60	1 21	-	-	-	13	13	26							
1	25	60	2 8	6	4	10	43	15	58							
2	1	60	3 3	-	-	-	12	12	24							
2	23	60	3 11	0	4	4	0	0	0							
3	7	60	3 24	-	-	-	0	1	1							
3	28	60	4 5	15	3	18	43	0	43							
4	11	60	4 29	-	-	-	38	9	47							
4	18	60	5 18	17	2	19	23	4	27							
5	9	60	5 27	-	-	-	61	8	69							
5	24	60	6 10	39	1	40	53	4	57							
6	13	60	6 22	24	0	24	51	0	51							
6	27	60	7 7	-	-	-	47	0	47							
7	11	60	7 18	-	-	-	86	24	110							
7	25	60	8 17	9	2	11	12	0	12							
8	8	60	8 24	-	-	-	12	4	16							
8	29	60	9 16	2	6	8	10	0	10							
9	12	60	10 3	-	-	-	12	5	17							
9	26	60	10 10	14	6	20	2	5	7							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION: MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10 13	-	-	-	52	7	59						
10	12	59	10 22	-	-	-	35	0	35						
10	20	59	10 28	7	3	10	0	0	0						
10	26	59	11 5	-	-	-	18	14	32						
11	2	59	11 10	-	-	-	12	6	18						
11	4	59	11 18	-	-	-	4	0	4						
11	16	59	11 20	11	5	16	17	15	32						
11	23	59	12 8	-	-	-	57	31	88						
11	30	59	12 15	-	-	-	7	4	11						
12	14	59	12 22	2	5	7	0	4	4						
12	21	59	12 30	0	4	4	0	0	0						
12	28	59	1 7	-	-	-	3	0	3						
1	6	60	1 15	-	-	-	5	12	17						
1	12	60	1 22	-	-	-	11	14	25						
1	25	60	2 1	6	7	13	0	3	3						
2	1	60	3 3	-	-	-	3	0	3						
2	22	60	3 21	0	5	5	0	9	9						
3	7	60	3 25	-	-	-	2	7	9						
3	28	60	4 7	24	4	28	49	4	53						
4	11	60	4 29	-	-	-	23	0	23						
4	25	60	5 17	9	8	17	14	9	23						
5	10	60	5 27	-	-	-	34	17	51						
5	23	60	6 10	8	5	13	30	2	32						
6	13	60	6 28	17	1	18	35	9	44						
7	11	60	7 18	-	-	-	75	16	91						
7	18	60	8 26	-	-	-	0	5	5						
8	29	60	9 14	5	4	9	15	5	20						
9	12	60	9 23	-	-	-	14	7	21						

RADIOACTIVITY DETERMINATIONS

STATE: NEBRASKA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT OMAHA, NEBRASKA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l	MO. DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	5	59	10	15	-	-	-	35	36	71						
10	12	59	10	22	-	-	-	9	36	45						
10	19	59	10	28	4	4	8	0	12	12						
10	26	59	11	5	-	-	-	7	4	11						
11	2	59	11	10	-	-	-	0	0	0						
11	9	59	11	17	-	-	-	2	30	32						
11	16	59	11	25	1	4	5	6	7	13						
11	23	59	12	14	-	-	-	0	0	0						
11	30	59	12	14	-	-	-	0	0	0						
12	7	59	12	18	-	-	-	0	0	0						
12	14	59	12	29	1	4	5	0	0	0						
12	21	59	12	31	-	-	-	0	2	2						
12	28	59	1	7	-	-	-	3	15	18						
1	4	60	1	18	-	-	-	0	8	8						
1	11	60	1	21	-	-	-	0	15	15						
1	25	60	2	8	0	4	4	0	0	0						
2	8	60	2	18	-	-	-	0	10	10						
2	22	60	3	7	1	3	4	5	6	11						
3	7	60	3	25	-	-	-	0	13	13						
3	28	60	4	6	0	3	3	0	0	0						
4	11	60	4	29	-	-	-	78	13	91						
4	25	60	5	17	16	4	20	14	7	21						
5	9	60	5	26	-	-	-	3	5	8						
5	23	60	6	10	7	5	12	24	14	38						
6	13	60	6	21	0	5	5	2	2	4						
6	27	60	7	7	-	-	-	39	25	64						
7	11	60	7	21	-	-	-	8	1	9						
7	25	60	8	17	6	4	10	0	0	0						
8	8	60	8	25	-	-	-	0	4	4						
8	29	60	9	20	8	8	16	0	16	16						
9	12	60	10	4	-	-	-	19	8	27						
9	26	60	10	13	-	-	-	0	3	3						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: SOUTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	16	-	-	-	0	0	0						
10	12	59	11	22	-	-	-	6	23	29						
10	19	59	10	30	-	-	-	0	3	3						
10	26	59	11	5	-	-	-	0	8	8						
11	2	59	11	12	-	-	-	1	17	18						
11	9	59	11	18	-	-	-	0	2	2						
11	16	59	12	11	0	3	3	0	0	0						
11	23	59	12	14	-	-	-	0	35	35						
11	30	59	12	31	0	36	36	0	13	13						
12	7	59	12	31	-	-	-	5	19	24						
12	14	59	1	14	-	-	-	1	4	5						
12	21	59	1	14	-	-	-	0	17	17						
12	28	59	1	14	-	-	-	0	7	7						
1	11	60	1	22	-	-	-	1	5	6						
1	25	60	2	9	1	6	7	0	0	0						
2	8	60	2	24	-	-	-	0	11	11						
2	22	60	3	18	0	1	1	0	2	2						
3	7	60	3	25	-	-	-	7	0	7						
3	28	60	4	8	0	2	2	0	7	7						
4	11	60	4	25	1	3	4	0	6	6						
4	25	60	5	17	1	3	4	0	3	3						
5	9	60	5	25	-	-	-	0	0	0						
5	23	60	6	8	0	5	5	0	11	11						
6	13	60	6	28	0	1	1	0	5	5						
6	27	60	7	8	-	-	-	0	4	4						
7	11	60	7	22	-	-	-	0	0	0						
7	25	60	8	10	6	3	9	0	16	16						
8	8	60	8	29	-	-	-	1	0	1						
8	29	60	9	22	0	4	4	0	7	7						
9	12	60	9	28	-	-	-	9	0	9						
9	26	60	10	10	3	4	7	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	59	10	21	–	–	–	0	0	0							
10	15	59	10	29	19	4	23	78	18	96							
10	28	59	11	6	–	–	–	0	4	4							
11	4	59	11	16	–	–	–	4	18	22							
11	18	59	12	10	0	4	4	0	2	2							
11	25	59	12	15	–	–	–	0	0	0							
12	9	59	12	23	0	3	3	0	5	5							
12	20	59	1	13	–	–	–	6	14	20							
1	6	60	1	18	–	–	–	0	12	12							
1	13	60	1	22	–	–	–	4	20	24							
1	27	60	2	9	0	5	5	0	2	2							
2	10	60	2	24	–	–	–	3	2	5							
2	24	60	3	18	0	5	5	0	2	2							
3	9	60	3	25	–	–	–	7	22	29							
3	30	60	4	13	0	4	4	6	4	10							
4	13	60	4	29	–	–	–	56	23	79							
4	27	60	5	17	1	0	1	0	0	0							
5	11	60	5	25	–	–	–	0	0	0							
5	25	60	6	10	1	1	2	0	0	0							
6	15	60	6	22	0	5	5	0	3	3							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NORTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: MISSOURI-SOURIS RIVERS
STATION LOCATION: MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	7	59	10	16	-	-	-	12	5	17						
10	14	59	11	26	-	-	-	7	0	7						
10	22	59	10	30	2	4	6	0	0	0						
11	2	59	11	13	-	-	-	0	0	0						
12	9	59	12	17	-	-	-	0	0	0						
12	16	59	12	29	1	2	3	0	0	0						
1	13	60	1	22	-	-	-	2	0	2						
1	27	60	2	11	0	5	5	0	4	4						
5	9	60	5	25	-	-	-	0	0	0						
5	23	60	6	8	0	3	3	0	9	9						
6	13	60	6	23	5	2	7	7	6	13						
6	27	60	7	8	-	-	-	25	0	25						
7	11	60	7	26	4	4	8	2	0	2						
7	25	60	8	11	1	3	4	2	30	32						
8	8	60	8	25	-	-	-	12	0	12						
8	29	60	9	13	1	7	8	2	9	11						
9	5	60	10	5	-	-	-	7	0	7						
9	26	60	10	13	2	4	6	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	5	59	10 15	-	-	-	1	10	11						
10	12	59	10 21	0	1	1	0	7	7						
10	19	59	10 28	-	-	-	3	8	11						
10	26	59	11 5	-	-	-	0	0	0						
11	3	59	11 12	-	-	-	0	1	1						
11	9	59	11 16	0	1	1	0	0	0						
11	16	59	11 23	-	-	-	1	3	4						
11	23	59	12 8	-	-	-	3	8	11						
11	30	59	12 15	-	-	-	0	1	1						
12	8	59	12 18	4	0	4	0	0	0						
12	14	59	12 28	-	-	-	16	0	16						
12	21	59	12 31	-	-	-	32	8	40						
12	28	59	1 6	-	-	-	3	0	3						
1	5	60	1 14	-	-	-	10	3	13						
1	11	60	1 21	1	2	3	4	0	4						
1	25	60	2 8	-	-	-	7	0	7						
2	8	60	2 17	1	0	1	1	0	1						
2	29	60	3 18	-	-	-	11	0	11						
3	8	60	3 25	2	0	2	0	0	0						
3	14	60	4 19	-	-	-	5	6	11						
4	11	60	5 2	1	1	2	0	0	0						
4	25	60	5 10	-	-	-	0	0	0						
5	10	60	5 26	0	0	0	0	0	0						
5	24	60	6 6	-	-	-	0	0	0						
6	14	60	6 20	0	1	1	0	30	30						
6	27	60	7 7	-	-	-	0	33	33						
7	11	60	7 19	4	3	7	12	8	20						
7	25	60	8 12	-	-	-	0	7	7						
8	8	60	8 22	0	0	0	0	6	6						
8	29	60	9 16	-	-	-	0	4	4						
9	11	60	9 29	1	1	2	0	6	6						
9	25	60	10 12	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: INDIANA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT EVANSVILLE, INDIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED ppc/l	DISSOLVED ppc/l	TOTAL ppc/l	SUSPENDED ppc/l	DISSOLVED ppc/l	TOTAL ppc/l	MO DAY	ALPHA ppc/g	BETA ppc/g	SUSPENDED ppc/l	DISSOLVED ppc/l	TOTAL ppc/l
1	7	60	1 19	-	-	-	2	2	4						
1	13	60	1 22	2	1	3	2	0	2						
1	27	60	2 9	-	-	-	12	7	19						
2	9	60	2 17	3	1	4	4	0	4						
2	15	60	3 21	-	-	-	26	2	28						
2	29	60	3 28	2	0	2	4	3	7						
3	14	60	4 18	1	0	1	0	3	3						
4	4	60	5 2	0	0	0	0	0	0						
5	2	60	5 31	0	0	0	0	3	3						
5	23	60	6 3	-	-	-	0	2	2						
6	13	60	6 20	0	0	0	0	2	2						
6	27	60	7 7	-	-	-	27	0	27						
7	11	60	7 18	7	0	7	16	0	16						
7	25	60	8 15	-	-	-	0	0	0						
8	8	60	8 19	-	-	-	1	0	1						
8	22	60	9 26	-	-	-	0	0	0						
9	26	60	10 7	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OHIO

MAJOR BASIN: OHIO RIVER

SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION: OHIO RIVER AT CINCINNATI, OHIO

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER						RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
					ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	7	59	10	15	–	–	–	0	1	1						
10	14	59	10	21	0	0	0	0	0	0						
10	21	59	10	27	–	–	–	0	0	0						
10	28	59	11	5	–	–	–	0	0	0						
11	4	59	11	10	–	–	–	0	0	0						
11	12	59	11	18	–	–	–	1	0	1						
11	18	59	11	23	–	–	–	1	8	9						
11	27	59	12	11	–	–	–	3	0	3						
12	2	59	12	31	2	0	2	0	0	0						
12	9	59	12	31	11	0	11	30	1	31						
12	16	59	1	15	–	–	–	19	2	21						
12	23	59	1	15	–	–	–	18	3	21						
12	30	59	1	15	–	–	–	0	1	1						
1	6	60	1	12	–	–	–	1	0	1						
1	13	60	1	22	5	1	6	2	1	3						
1	27	60	2	8	–	–	–	0	0	0						
2	10	60	2	17	4	0	4	10	0	10						
2	24	60	3	7	–	–	–	39	22	61						
3	9	60	3	28	3	0	3	9	0	9						
3	30	60	4	6	–	–	–	0	0	0						
4	13	60	4	29	2	1	3	0	18	18						
4	27	60	5	11	–	–	–	0	0	0						
5	11	60	5	26	0	0	0	0	1	1						
5	25	60	6	3	–	–	–	1	0	1						
6	15	60	6	21	0	0	0	2	0	2						
6	29	60	7	7	–	–	–	7	5	12						
7	13	60	7	21	4	0	4	10	53	63						
7	27	60	8	10	–	–	–	0	0	0						
8	10	60	8	22	1	0	1	0	0	0						
8	31	60	9	16	–	–	–	0	5	5						
9	14	60	9	29	0	1	1	0	0	0						
9	28	60	10	7	–	–	–	0	14	14						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	14	-	-	-	0	9	9						
10	12	59	10	22	1	1	2	6	13	19						
10	19	59	10	27	-	-	-	0	3	3						
10	26	59	11	2	-	-	-	28	45	73						
11	2	59	11	9	-	-	-	0	5	5						
11	9	59	11	17	0	0	0	0	6	6						
11	16	59	11	29	-	-	-	0	0	0						
11	23	59	12	8	-	-	-	0	4	4						
11	30	59	12	14	-	-	-	5	0	5						
12	7	59	12	17	1	0	1	2	0	2						
12	14	59	12	22	-	-	-	0	0	0						
12	21	59	12	30	-	-	-	11	0	11						
12	28	59	1	5	-	-	-	0	0	0						
1	4	60	1	12	-	-	-	18	4	22						
1	11	60	1	20	1	2	3	3	0	3						
1	25	60	2	1	-	-	-	0	0	0						
2	8	60	2	17	1	0	1	0	2	2						
2	22	60	3	7	-	-	-	32	20	52						
3	7	60	3	28	1	0	1	0	0	0						
3	28	60	4	5	-	-	-	0	3	3						
4	11	60	4	21	1	1	2	0	0	0						
4	25	60	5	3	-	-	-	0	0	0						
5	9	60	5	27	1	0	1	0	0	0						
5	23	60	6	3	-	-	-	0	0	0						
6	13	60	6	20	1	0	1	11	16	27						
6	27	60	7	5	-	-	-	0	0	0						
7	12	60	7	19	0	0	0	0	0	0						
7	25	60	8	10	-	-	-	0	23	23						
8	8	60	8	26	0	0	0	0	21	21						
8	29	60	9	21	-	-	-	0	0	0						
9	12	60	9	27	0	0	0	0	6	6						
9	26	60	10	10	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OHIO
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT EAST LIVERPOOL, OHIO

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER						RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
					ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	59	10	14	-	-	-	5	15	20						
10	13	59	10	21	0	0	0	0	0	0						
10	19	59	10	27	-	-	-	0	1	1						
10	26	59	11	2	-	-	-	19	24	43						
11	9	59	11	17	0	0	0	0	0	0						
11	19	59	12	1	-	-	-	0	7	7						
12	7	59	12	24	3	0	3	2	0	2						
12	22	59	1	13	-	-	-	20	0	20						
1	4	60	1	14	-	-	-	0	0	0						
1	11	60	1	20	0	0	0	0	0	0						
1	25	60	2	8	-	-	-	0	0	0						
2	9	60	2	24	1	0	1	0	0	0						
2	22	60	3	21	-	-	-	0	0	0						
3	7	60	3	23	0	1	1	0	0	0						
3	28	60	4	5	-	-	-	0	5	5						
4	11	60	4	21	1	0	1	0	1	1						
4	25	60	5	4	-	-	-	0	0	0						
5	2	60	6	1	0	0	0	0	7	7						
6	6	60	6	28	0	0	0	0	0	0						
6	20	60	7	22	-	-	-	0	0	0						
7	11	60	7	18	0	0	0	0	2	2						
7	25	60	8	9	-	-	-	0	0	0						
8	8	60	8	22	0	0	0	0	0	0						
9	12	60	9	26	0	1	1	0	0	0						
9	19	60	10	19	-	-	-	0	1	1						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MARYLAND
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: POTOMAC RIVER
STATION LOCATION: POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10 15	0	0	0	2	11	13						
10	12	59	10 22	-	-	-	2	3	5						
10	19	59	10 27	-	-	-	0	0	0						
10	26	59	11 2	-	-	-	0	7	7						
11	2	59	11 9	0	0	0	0	0	0						
11	9	59	11 17	-	-	-	1	0	1						
11	16	59	11 23	-	-	-	13	6	19						
11	23	59	12 9	-	-	-	0	0	0						
12	7	59	12 23	0	0	0	2	8	10						
12	28	59	1 13	-	-	-	0	0	0						
1	4	60	1 12	0	1	1	0	0	0						
1	11	60	1 21	-	-	-	0	0	0						
1	25	60	2 8	-	-	-	2	0	2						
2	8	60	2 24	0	0	0	1	0	1						
2	22	60	3 9	-	-	-	0	0	0						
3	7	60	3 24	0	0	0	0	2	2						
3	28	60	4 5	-	-	-	0	0	0						
4	11	60	4 21	2	0	2	12	28	40						
4	25	60	5 11	-	-	-	0	0	0						
5	9	60	5 24	0	0	0	0	7	7						
5	25	60	6 3	-	-	-	0	0	0						
6	3	60	6 13	0	0	0	0	0	0						
6	13	60	6 21	4	0	4	0	15	15						
6	27	60	7 1	-	-	-	0	8	8						
7	11	60	7 29	-	-	-	0	0	0						
7	25	60	8 15	-	-	-	0	0	0						
8	1	60	8 24	0	0	0	0	0	0						
8	8	60	8 25	0	1	1	0	0	0						
8	29	60	9 13	-	-	-	4	5	9						
9	12	60	10 3	1	0	1	0	2	2						
9	26	60	10 7	-	-	-	0	2	2						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MARYLAND
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: POTOMAC RIVER
STATION LOCATION: POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l	MO DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	5	59	10 19	0	1	1	1	13	14						
10	12	59	10 23	-	-	-	0	0	0						
10	19	59	10 27	-	-	-	2	14	16						
10	26	59	11 6	-	-	-	13	1	14						
11	2	59	11 13	0	0	0	0	0	0						
11	9	59	11 19	-	-	-	0	0	0						
11	23	59	12 9	-	-	-	0	6	6						
11	30	59	12 17	1	0	1	0	0	0						
12	7	59	12 17	-	-	-	0	0	0						
12	14	59	12 28	-	-	-	0	0	0						
12	21	59	12 31	-	-	-	0	0	0						
1	4	60	1 12	0	1	1	0	3	3						
1	11	60	1 20	-	-	-	0	0	0						
1	25	60	2 10	-	-	-	4	1	5						
2	8	60	2 24	0	0	0	0	0	0						
2	22	60	3 7	-	-	-	0	0	0						
3	7	60	3 24	0	0	0	0	0	0						
3	28	60	4 7	-	-	-	0	0	0						
4	11	60	4 21	2	0	2	8	0	8						
4	25	60	5 6	-	-	-	0	0	0						
5	23	60	6 3	-	-	-	0	0	0						
6	13	60	6 28	0	1	1	0	0	0						
6	27	60	7 8	-	-	-	0	0	0						
7	15	60	8 3	-	-	-	0	1	1						
8	8	60	8 25	0	1	1	0	0	0						
8	29	60	9 21	-	-	-	0	0	0						
9	6	60	10 5	0	1	1	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NORTH DAKOTA

MAJOR BASIN UPPER MISSISSIPPI

SUB BASIN RED RIVER OF THE NORTH

STATION LOCATION RED RIVER AT
GRAND FORKS, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	8	60	9	23	0	0	0	0	42	42						
9	14	60	9	30	0	4	4	0	5	5						
9	21	60	10	11	1	5	6	0	7	7						
9	28	60	10	12	0	2	2	23	13	36						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER RED RIVER BELOW DENISON

STATION LOCATION: RED RIVER AT ALEXANDRIA, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	19	59	10	27	7	30	37	37	0	37						
11	2	59	11	12	–	–	–	0	0	0						
11	9	59	11	16	–	–	–	6	0	6						
11	16	59	12	1	12	0	12	0	0	0						
11	23	59	12	8	–	–	–	0	11	11						
12	8	59	12	24	0	1	1	7	7	14						
12	14	59	1	13	–	–	–	2	10	12						
1	4	60	1	11	–	–	–	25	9	34						
1	25	60	2	8	8	0	8	31	8	39						
2	8	60	2	18	–	–	–	27	3	30						
2	15	60	3	18	3	1	4	15	0	15						
2	29	60	3	28	–	–	–	0	0	0						
3	21	60	4	18	–	–	–	0	3	3						
4	11	60	4	25	6	2	8	15	2	17						
4	25	60	5	11	2	0	2	0	3	3						
5	9	60	5	27	–	–	–	0	0	0						
5	23	60	6	8	4	1	5	6	14	20						
6	13	60	6	22	8	2	10	38	13	51						
6	27	60	7	8	–	–	–	0	26	26						
8	8	60	8	26	–	–	–	6	0	6						
8	15	60	9	23	1	3	4	0	0	0						
9	13	60	10	7	–	–	–	0	0	0						
9	26	60	10	13	0	6	6	0	3	3						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ARKANSAS

MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT INDEX, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	59	10 16	–	–	–	0	0	0						
10	12	59	10 23	–	–	–	56	0	56						
10	20	59	10 27	1	7	8	0	9	9						
10	26	59	11 2	–	–	–	0	0	0						
11	3	59	11 10	3	2	5	4	0	4						
11	9	59	11 18	–	–	–	32	0	32						
11	16	59	11 24	–	–	–	0	5	5						
11	30	59	12 15	–	–	–	5	4	9						
12	7	59	12 17	–	–	–	0	0	0						
12	14	59	12 22	1	2	3	0	9	9						
12	21	59	12 30	0	0	0	53	19	72						
12	28	59	1 6	–	–	–	9	0	9						
1	4	60	1 18	–	–	–	4	3	7						
1	11	60	1 22	–	–	–	5	6	11						
1	25	60	2 9	1	3	4	0	0	0						
2	8	60	2 18	–	–	–	0	5	5						
2	22	60	3 11	2	2	4	3	5	8						
3	7	60	3 28	–	–	–	0	0	0						
3	28	60	4 7	3	2	5	1	12	13						
4	4	60	5 3	–	–	–	0	9	9						
4	25	60	5 12	1	0	1	0	0	0						
5	9	60	5 27	–	–	–	3	0	3						
5	23	60	6 3	8	0	8	2	0	2						
6	13	60	6 22	4	1	5	7	51	58						
6	27	60	7 7	–	–	–	0	0	0						
7	11	60	7 19	–	–	–	0	44	44						
7	25	60	8 17	0	3	3	14	27	41						
8	8	60	8 26	–	–	–	0	2	2						
8	29	60	9 21	1	5	6	0	0	0						
9	12	60	9 28	–	–	–	0	0	0						
9	26	60	10 5	4	2	6	3	23	26						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER RED RIVER BELOW DENISON

STATION LOCATION: RED RIVER AT DENISON, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
10	5	59	11 15	-	-	-	0	0	0							
10	12	59	10 22	-	-	-	13	13	26							
10	18	59	10 28	0	3	3	0	2	2							
10	26	59	11 2	-	-	-	0	0	0							
11	2	59	11 12	-	-	-	0	0	0							
11	9	59	11 16	-	-	-	0	71	71							
11	16	59	11 20	0	1	1	1	0	1							
11	24	59	12 11	-	-	-	0	16	16							
11	30	59	12 14	-	-	-	0	0	0							
12	7	59	12 22	-	-	-	0	5	5							
12	14	59	12 29	0	1	1	0	0	0							
12	21	59	12 31	-	-	-	20	43	63							
12	28	59	1 7	-	-	-	0	0	0							
1	4	60	1 14	-	-	-	0	0	0							
1	11	60	1 22	-	-	-	0	0	0							
1	25	60	2 9	0	0	0	0	13	13							
2	1	60	3 3	-	-	-	0	0	0							
2	23	60	3 17	0	0	0	0	0	0							
3	7	60	3 29	-	-	-	0	0	0							
3	28	60	4 13	0	0	0	0	2	2							
4	5	60	5 2	-	-	-	0	0	0							
4	25	60	5 11	2	3	5	0	59	59							
5	9	60	5 26	-	-	-	0	82	82							
5	23	60	6 3	1	0	1	0	0	0							
6	14	60	6 24	0	0	0	0	0	0							
6	27	60	7 8	-	-	-	0	0	0							
7	11	60	7 22	-	-	-	0	0	0							
7	25	60	8 11	1	0	1	0	0	0							
8	10	60	8 22	-	-	-	0	0	0							
8	20	60	9 21	1	12	13	0	0	0							
9	13	60	9 25	-	-	-	0	0	0							
9	29	60	10 19	0	0	0	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS

MAJOR BASIN: WESTERN GULF

SUB BASIN: LOWER RIO GRANDE BELOW PECOS RIVER

STATION LOCATION: RIO GRANDE BELOW BROWNSVILLE, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	19	59	10 29	-	-	-	12	32	44						
10	26	59	11 6	2	9	11	0	38	38						
11	2	59	11 12	-	-	-	0	0	0						
11	9	59	11 19	-	-	-	0	0	0						
11	20	59	12 10	-	-	-	0	0	0						
11	27	59	12 14	0	1	1	0	0	0						
12	11	59	1 15	-	-	-	32	28	60						
12	4	59	12 17	1	4	5	0	0	0						
1	15	60	1 22	-	-	-	0	9	9						
1	28	60	2 11	3	1	4	0	0	0						
2	5	60	3 3	-	-	-	0	0	0						
2	26	60	3 18	1	0	1	0	234	234						
3	11	60	3 25	-	-	-	0	0	0						
4	1	60	4 13	0	0	0	0	0	0						
4	15	60	4 29	-	-	-	0	0	0						
4	29	60	5 18	3	2	5	3	7	10						
5	13	60	5 27	-	-	-	0	0	0						
5	27	60	6 7	0	0	0	0	1	1						
6	17	60	6 28	-	-	-	0	0	0						
7	1	60	7 12	0	1	1	0	0	0						
7	15	60	7 29	-	-	-	0	0	0						
7	29	60	8 12	1	2	3	0	0	0						
8	26	60	9 23	0	8	8	0	0	0						
9	2	60	9 22	-	-	-	0	0	0						
9	16	60	10 5	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: LOWER RIO GRANDE BELOW PECOS RIVER
STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	59	11 27	-	-	-	249	2	251						
10	13	59	10 23	-	-	-	17	10	27						
10	20	59	11 28	-	-	-	0	1	1						
10	27	59	11 5	0	1	1	0	0	0						
11	3	59	11 12	-	-	-	0	9	9						
11	10	59	11 19	-	-	-	0	27	27						
11	17	59	12 1	-	-	-	10	20	30						
11	24	59	12 11	1	2	3	0	0	0						
12	8	59	12 24	2	2	4	0	0	0						
12	29	59	1 13	-	-	-	0	0	0						
1	5	60	1 18	-	-	-	0	0	0						
1	12	60	1 22	-	-	-	0	0	0						
1	26	60	2 9	1	4	5	0	16	16						
2	9	60	2 24	-	-	-	9	19	28						
2	29	60	3 18	0	3	3	0	0	0						
3	8	60	3 25	-	-	-	2	1	3						
3	29	60	4 13	0	5	5	5	1	6						
4	26	60	5 18	0	2	2	17	31	48						
5	10	60	5 24	-	-	-	0	0	0						
5	24	60	6 7	0	1	1	0	0	0						
6	14	60	6 27	-	-	-	0	0	0						
6	28	60	7 7	0	4	4	0	0	0						
7	12	60	7 22	-	-	-	41	117	158						
7	26	60	8 17	59	1	60	184	0	184						
8	8	60	8 25	-	-	-	53	0	53						
8	30	60	9 22	75	4	79	0	21	21						
9	13	60	11 4	-	-	-	163	4	167						
9	27	60	10 12	13	3	16	46	11	57						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE . TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN UPPER RIO GRANDE ABOVE PECOS RIVER

STATION LOCATION RIO GRANDE RIVER AT EL PASO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	15	-	-	-	0	10	10							
5	9	60	5	31	3	5	8	2	0	2							
5	23	60	6	7	1	7	8	0	0	0							
6	13	60	7	21	39	4	43	86	0	86							
6	27	60	7	7	0	0	0	28	0	28							
7	11	60	8	9	-	-	-	0	0	0							
7	25	60	8	15	1	3	4	0	0	0							
8	8	60	8	22	-	-	-	3	0	3							
8	29	60	9	21	2	11	13	0	4	4							
9	12	60	9	27	-	-	-	9	5	14							
9	26	60	10	11	2	21	23	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: SABINE RIVER
STATION LOCATION: SABINE RIVER NEAR RULIFF, TEXAS

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER						RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
					ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
5	25	60	6	8	0	0	0	0	4	4						
6	13	60	6	24	1	1	2	0	0	0						
6	20	60	6	30	0	0	0	10	0	10						
6	27	60	7	8	0	0	0	0	0	0						
7	5	60	7	15	1	0	1	0	0	0						
7	11	60	7	26	1	0	1	0	2	2						
7	18	60	8	8	1	0	1	0	0	0						
7	25	60	8	17	1	0	1	6	4	10						
8	1	60	8	24	1	0	1	0	0	0						
8	8	60	8	24	1	0	1	0	0	0						
8	15	60	8	30	0	0	0	0	1	1						
8	22	60	9	14	2	0	2	0	0	0						
8	29	60	9	21	0	0	0	0	4	4						
9	6	60	10	6	1	0	1	0	0	0						
9	12	60	9	29	1	1	2	0	5	5						
9	19	60	10	6	1	1	2	1	0	1						
9	24	60	10	12	1	0	1	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO	DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	5	59	10	14	0	0	0	7	13	20							
10	13	59	10	22	-	-	-	4	15	19							
10	19	59	10	28	-	-	-	69	14	83							
10	26	59	11	5	-	-	-	0	8	8							
11	2	59	11	10	0	1	1	3	10	13							
11	9	59	11	18	-	-	-	7	18	25							
11	16	59	11	25	-	-	-	1	3	4							
11	23	59	12	1	-	-	-	0	1	1							
11	30	59	12	17	0	1	1	0	0	0							
12	7	59	12	17	-	-	-	0	2	2							
12	14	59	12	22	-	-	-	0	2	2							
12	21	59	12	30	-	-	-	2	6	8							
12	28	59	1	5	-	-	-	0	21	21							
1	4	60	1	14	0	0	0	0	3	3							
1	11	60	1	20	-	-	-	0	0	0							
1	18	60	1	28	-	-	-	6	6	12							
1	25	60	2	1	-	-	-	1	22	23							
2	1	60	2	11	-	-	-	0	7	7							
2	8	60	2	18	-	-	-	3	8	11							
2	15	60	2	25	-	-	-	4	0	4							
2	23	60	3	7	-	-	-	0	2	2							
2	29	60	3	21	0	0	0	0	3	3							
3	7	60	3	23	-	-	-	7	2	9							
3	14	60	3	23	-	-	-	0	8	8							
3	21	60	3	28	0	0	0	0	5	5							
3	28	60	4	5	-	-	-	0	0	0							
4	4	60	4	19	1	0	1	0	9	9							
4	11	60	4	19	-	-	-	0	0	0							
4	18	60	5	2	2	1	3	1	33	34							
4	25	60	5	6	-	-	-	0	1	1							
5	2	60	5	10	0	0	0	0	0	0							
5	9	60	5	19	0	0	0	0	12	12							
5	16	60	6	1	-	-	-	0	5	5							
5	24	60	6	2	-	-	-	1	99	100							
5	30	60	6	6	1	0	1	0	31	31							
6	6	60	6	20	-	-	-	0	9	9							
6	13	60	6	21	-	-	-	0	2	2							
6	20	60	6	29	-	-	-	2	0	2							
6	27	60	7	5	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
MO	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
7	5	60	7 13	1	0	1	0	0	0							
7	11	60	7 29	–	–	–	0	9	9							
7	18	60	8 3	–	–	–	0	6	3							
7	25	60	8 18	0	0	0	4	0	4							
8	1	60	8 25	1	1	2	1	2	3							
8	8	60	8 22	1	0	1	0	6	6							
8	15	60	8 29	–	–	–	0	4	4							
8	22	60	9 1	–	–	–	0	79	79							
8	29	60	9 13	–	–	–	6	77	83							
9	12	60	10 6	–	–	–	0	15	15							
9	19	60	9 29	0	0	0	0	19	19							
9	26	60	10 7	–	–	–	0	192	192							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: SOUTH CAROLINA

MAJOR BASIN: SOUTHEAST

SUB BASIN: SAVANNAH RIVER

STATION LOCATION: SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL				ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	15	0	0	0	3	2	5								
10	12	59	10	22	-	-	-	5	4	9								
10	19	59	11	28	-	-	-	0	0	0								
10	26	59	11	5	-	-	-	1	7	8								
11	2	59	11	10	1	0	1	3	8	11								
11	9	59	11	17	-	-	-	0	0	0								
11	16	59	11	25	-	-	-	0	0	0								
11	23	59	12	10	-	-	-	0	3	3								
11	30	59	12	31	0	0	0	0	0	0								
12	7	59	12	31	-	-	-	0	0	0								
12	14	59	1	13	-	-	-	0	9	9								
1	18	60	1	28	-	-	-	5	3	8								
7	26	60	8	10	-	-	-	0	1	1								
8	8	60	8	26	1	0	1	0	1	1								
8	29	60	9	13	-	-	-	0	6	6								
9	13	60	10	11	1	0	1	0	0	0								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION: SCHUYLKILL RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
2	1	60	3	3	0	1	1	0	1	1						
2	16	60	3	3	0	0	0	0	0	0						
2	23	60	3	17	0	0	0	0	0	0						
2	29	60	3	23	0	0	0	0	0	0						
3	7	60	3	23	0	0	0	0	0	0						
4	4	60	4	13	9	0	9	33	0	33						
4	18	60	4	29	0	0	0	57	0	57						
4	25	60	5	6	0	0	0	0	0	0						
5	2	60	5	17	0	0	0	0	0	0						
5	16	60	6	1	0	0	0	0	0	0						
6	6	60	6	13	1	0	1	0	0	0						
6	20	60	6	29	0	0	0	0	0	0						
7	5	60	7	15	0	0	0	0	0	0						
7	18	60	8	8	0	0	0	0	0	0						
8	1	60	8	26	0	3	3	0	6	6						
8	15	60	8	26	0	1	1	0	0	0						
9	6	60	9	27	1	0	1	0	0	0						
9	19	60	10	3	0	0	0	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	15	-	-	-	0	16	16							
10	12	59	11	22	-	-	-	4	15	19							
10	19	59	10	28	-	-	-	0	4	4							
10	26	59	11	5	0	1	1	7	6	13							
11	2	59	11	10	-	-	-	0	0	0							
11	9	59	11	18	-	-	-	0	0	0							
11	16	59	11	25	-	-	-	0	6	6							
11	23	59	12	15	0	1	1	0	5	5							
11	30	59	12	31	0	1	1	0	0	0							
12	7	59	12	29	0	1	1	0	2	2							
12	14	59	12	31	0	3	3	0	0	0							
12	21	59	1	15	-	-	-	0	4	4							
12	28	59	1	13	-	-	-	0	9	9							
1	4	60	1	12	-	-	-	0	21	21							
1	11	60	1	20	-	-	-	0	6	6							
1	25	60	2	8	0	3	3	0	2	2							
2	8	60	2	17	-	-	-	1	0	1							
2	22	60	3	11	0	1	1	0	0	0							
3	7	60	3	25	-	-	-	0	0	0							
3	28	60	4	6	1	0	1	0	1	1							
4	11	60	4	20	-	-	-	0	64	64							
4	25	60	5	12	0	0	0	0	0	0							
5	9	60	5	24	-	-	-	0	0	0							
5	23	60	6	3	0	0	0	0	1	1							
6	13	60	6	27	-	-	-	0	0	0							
6	27	60	7	7	0	0	0	0	4	4							
7	11	60	7	22	-	-	-	0	0	0							
7	25	60	8	18	-	-	-	0	0	0							
8	8	60	8	25	-	-	-	0	0	0							
8	29	60	9	22	0	4	4	0	5	5							
9	12	60	10	3	-	-	-	0	2	2							
9	26	60	10	13	0	2	2	0	9	9							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: IDAHO
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: CENTRAL SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WEISER, IDAHO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
3	29	60	4 7	1	1	2	0	0	0						
4	12	60	4 29	-	-	-	0	0	0						
4	25	60	5 12	0	2	2	0	0	0						
5	9	60	5 31	-	-	-	0	6	6						
5	16	60	6 10	0	3	3	2	2	4						
6	13	60	6 27	-	-	-	0	0	0						
6	28	60	7 8	0	5	5	0	0	0						
7	11	60	7 29	-	-	-	0	0	0						
7	25	60	8 18	0	2	2	0	7	7						
8	8	60	8 26	-	-	-	0	7	7						
8	29	60	9 20	0	4	4	0	0	0						
9	12	60	10 17	-	-	-	0	1	1						
9	26	60	10 14	0	2	2	14	28	42						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MARYLAND
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: POTOMAC RIVER BASIN
STATION LOCATION: SUSQUEHANNA RIVER AT CONOWINGO, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
5	6	60	5 23	0	1	1	0	0	0							
5	13	60	5 27	0	0	0	0	0	0							
5	18	60	6 8	1	0	1	8	18	26							
5	20	60	6 2	0	0	0	0	0	0							
5	28	60	6 2	0	0	0	0	0	0							
6	10	60	6 24	0	0	0	3	0	3							
6	17	60	6 27	0	0	0	0	3	3							
6	27	60	7 5	1	0	1	0	0	0							
7	6	60	7 15	0	0	0	0	1	1							
7	13	60	7 21	0	0	0	0	31	31							
7	20	60	8 8	0	0	0	0	0	0							
7	27	60	8 15	0	0	0	0	0	0							
8	3	60	8 19	0	0	0	0	0	0							
8	10	60	8 26	-	-	-	0	0	0							
8	17	60	9 1	0	1	1	0	0	0							
8	24	60	9 13	0	1	1	0	6	6							
8	31	60	9 20	0	1	1	0	4	4							
9	7	60	9 28	0	1	1	0	12	12							
9	14	60	9 27	0	1	1	0	0	0							
9	21	60	10 11	0	0	0	0	0	0							
9	28	60	10 13	0	0	0	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: SUSQUEHANNA RIVER-NORTH BRANCH
STATION LOCATION: SUSQUEHANNA RIVER AT SAYRE, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
3	28	60	4	13	0	0	0	0	0	0						
4	11	60	4	20	0	0	0	0	1	1						
4	18	60	5	2	0	0	0	0	0	0						
5	3	60	5	12	0	0	0	0	0	0						
5	17	60	6	1	0	0	0	0	0	0						
5	23	60	6	2	0	1	1	0	0	0						
5	31	60	6	10	0	0	0	0	0	0						
6	6	60	6	20	0	1	1	0	0	0						
6	13	60	6	24	0	0	0	0	15	15						
6	20	60	7	1	3	1	4	1	0	1						
6	27	60	7	11	0	0	0	0	7	7						
7	5	60	7	15	0	0	0	0	0	0						
7	11	60	7	19	0	0	0	0	0	0						
7	18	60	7	29	1	0	1	0	0	0						
8	1	60	8	25	0	0	0	0	0	0						
8	8	60	8	18	0	0	0	0	0	0						
8	15	60	8	26	0	1	1	0	1	1						
8	29	60	9	23	0	0	0	0	65	65						
9	12	60	9	27	0	2	2	0	8	8						
9	19	60	10	6	1	1	2	0	0	0						
9	26	60	10	14	0	0	0	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER TVA AT CHATTANOOGA, TENNESSEE

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	7	59	10	15	-	-	-	0	4	4						
10	14	59	10	22	0	0	0	6	9	15						
10	21	59	10	28	-	-	-	0	1	1						
10	28	59	11	5	-	-	-	5	5	10						
11	4	59	11	12	-	-	-	1	1	2						
11	12	59	11	19	0	0	0	1	13	14						
11	18	59	11	25	-	-	-	8	26	34						
11	25	59	12	8	-	-	-	31	23	54						
12	2	59	12	17	-	-	-	0	12	12						
12	9	59	12	18	0	1	1	1	63	64						
12	16	59	12	28	-	-	-	7	85	92						
12	23	59	12	31	-	-	-	1	158	159						
12	28	59	1	5	-	-	-	0	110	110						
1	6	60	1	14	-	-	-	15	32	47						
1	13	60	1	22	0	0	0	15	155	170						
1	20	60	1	28	-	-	-	16	260	276						
1	27	60	2	9	-	-	-	1	120	121						
2	3	60	2	15	0	0	0	6	87	93						
2	10	60	2	25	0	0	0	4	40	44						
2	17	60	3	9	-	-	-	1	82	83						
2	24	60	3	17	0	0	0	0	140	140						
3	2	60	3	21	-	-	-	0	143	143						
3	10	60	3	23	0	0	0	0	31	31						
3	16	60	3	28	0	0	0	0	36	36						
3	23	60	4	5	-	-	-	0	58	58						
3	30	60	4	13	-	-	-	15	72	87						
4	6	60	4	19	-	-	-	14	187	201						
4	13	60	4	25	0	0	0	0	132	132						
4	20	60	5	2	0	0	0	4	160	164						
4	27	60	5	6	-	-	-	0	122	122						
5	4	60	5	23	-	-	-	0	125	125						
5	11	60	5	19	0	1	1	0	74	74						
5	18	60	6	1	-	-	-	0	45	45						
5	25	60	6	2	-	-	-	0	30	30						
6	1	60	6	17	-	-	-	0	31	31						
6	8	60	6	17	0	0	0	0	23	23						
6	15	60	6	24	0	0	0	0	15	15						
6	22	60	6	29	-	-	-	0	7	7						
6	29	60	7	8	-	-	-	0	8	8						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TENNESSEE

MAJOR BASIN: TENNESSEE RIVER

SUB BASIN: TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION: TENNESSEE RIVER TVA AT CHATTANOOGA, TENNESSEE

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	60	7	15	0	0	0	0	0	0							
7	13	60	7	22	-	-	-	0	34	34							
7	20	60	8	3	-	-	-	0	95	95							
7	27	60	8	19	-	-	-	0	81	81							
8	2	60	8	22	0	0	0	0	83	83							
8	10	60	8	29	0	1	1	0	52	52							
8	17	60	8	26	0	1	1	0	27	27							
8	24	60	9	13	-	-	-	0	22	22							
8	31	60	9	21	-	-	-	0	58	58							
9	14	60	9	28	1	1	2	0	23	23							
9	21	60	10	7	-	-	-	0	0	0							
9	28	60	10	14	-	-	-	0	7	7							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MONTANA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: YELLOWSTONE RIVER
STATION LOCATION: YELLOWSTONE RIVER NEAR SIDNEY, MONTANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	5	59	10	19	-	-	-	8	15	23							
10	12	59	10	26	-	-	-	4	10	14							
10	19	59	10	30	0	0	0	0	13	13							
10	26	59	11	6	-	-	-	45	0	45							
11	2	59	11	10	-	-	-	0	0	0							
11	9	59	11	19	-	-	-	0	0	0							
11	16	59	12	15	0	9	9	0	23	23							
11	23	59	12	14	-	-	-	3	0	3							
11	30	59	12	29	2	4	6	6	4	10							
12	28	59	1	13	-	-	-	5	24	29							
1	4	60	1	12	-	-	-	0	5	5							
1	11	60	1	22	-	-	-	0	0	0							
1	25	60	2	10	0	3	3	0	6	6							
2	8	60	2	24	-	-	-	0	1	1							
2	22	60	3	18	0	1	1	0	0	0							
3	7	60	3	25	-	-	-	0	0	0							
3	28	60	4	8	17	4	21	41	0	41							
4	4	60	5	2	-	-	-	34	24	58							
4	25	60	5	12	0	0	0	0	0	0							
5	9	60	5	24	-	-	-	0	2	2							
5	23	60	6	6	1	3	4	0	1	1							
6	6	60	6	29	1	4	5	0	3	3							
6	27	60	7	12	9	2	11	37	0	37							
7	11	60	7	22	-	-	-	0	3	3							
7	25	60	8	18	1	2	3	9	10	19							
8	8	60	8	26	-	-	-	1	0	1							
8	29	60	9	20	1	8	9	0	4	4							
9	12	60	9	28	-	-	-	0	0	0							
9	19	60	10	18	1	7	8	0	12	12							

STRONTIUM-90

Sampling point	Strontium activity, μμc/liter			
	October–December	January–March	April–June	July–September
Animas River:				
Cedar Hill, N. Mex	—	0.5	0.3	0.4
Apalachicola River:				
Chattahoochee, Fla	—	—	(*)	.5
Arkansas River:				
Pendleton Ferry, Ark	0.6	.8	1.2	—
Fort Smith, Ark	1.2	—	1.1	—
Ponca City, Okla	.6	.9	1.3	—
Coolidge, Kans	.4	1.2	1.1	.8
Chattahoochee River:				
Columbus, Ga	.2	.5	.5	—
Atlanta, Ga	—	—	(*)	—
Colorado River:				
Yuma, Ariz	.6	.3	1.0	—
Parker Dam, Ariz.-Calif	.7	.3	.4	—
Boulder City, Nev	.7	.7	1.3	1.0
Page, Ariz	.3	.2	.9	—
Loma, Colo	.3	.1	.3	—
Columbia River:				
Clatskanie, Oreg	.5	.1	.3	.3
Bonneville, Oreg	1.0	.3	(*)	—
Pasco, Wash	.9	.6	.3	—
Wenatchee, Wash	.8	.4	.3	—
Connecticut River:				
Northfield, Mass	.3	—	(*)	—
Delaware River:				
Philadelphia, Pa	.6	.9	.3	—
Martins Creek, Pa	—	.6	.4	—

*Asterisk denotes insufficient sample for determination.
—Dash denotes determination not made.

STRONTIUM-90—Continued

Sampling point	Strontium activity, μμc/liter			
	October-December	January-March	April-June	July-September
Escambia River:				
Century, Fla	—	—	—	—
Great Lakes:				
Massena, N.Y	—	—	.6	—
Buffalo, N.Y	1.1	.9	.7	—
Detroit, Mich	.7	.3	.6	—
Port Huron, Mich	—	—	(*)	.6
Milwaukee, Wis	—	—	—	—
Gary, Ind	.4	.5	(*)	.5
Sault Ste. Marie, Mich	.3	.3	.4	—
Duluth, Minn	.3	.2	.3	—
Hudson River:				
Poughkeepsie, N.Y	1.3	1.7	.7	.1
Illinois River:				
Peoria, Ill	—	—	.8	.3
Kanawha River:				
Winfield Dam, W. Va	—	.2	.3	—
Merrimac River:				
Lowell, Mass	.5	.5	—	—
Mississippi River:				
New Orleans, La	.9	.9	1.0	—
Delta, La	1.0	1.0	(*)	—
West Memphis, Ark	1.3	1.3	.9	—
Cape Girardeau, Mo	.4	.4	.9	.9
East St. Louis, Ill	.5	.5	1.2	—
Burlington, Iowa	1.0	1.0	(*)	—
Dubuque, Iowa	1.4	1.4	(*)	—
Minneapolis, Minn	.7	.7	1.5	1.4
Missouri River:				
St. Louis, Mo	.6	.9	1.0	1.2
Kansas City, Kans	.7	.5	.9	—
St. Joseph, Mo	.4	.9	.9	—

Missouri River—Continued					
Omaha, Nebr	1.0	.4	.6	—	
Yankton, S. Dak	.5	1.7	1.0		.8
Bismarck, N. Dak	.9	.5	.9	—	
Williston, N. Dak	.5	—	.7	—	
Ohio River:					
Cairo, Ill	1.2	.6	.7		.4
Evansville, Ind	—	.7	.4	—	
Cincinnati, Ohio	.8	.4	.6	—	
Huntington, W. Va	.2	.2	.3	—	
East Liverpool, Ohio	.6	.5	1.9		.4
Potomac River:					
Great Falls, Md	.4	.6	.5	—	
Williamsport, Md	.5	.3	.8	—	
Red River (North):					
Grand Forks, N. Dak	—	—	—	(*)	
Red River (South):					
Alexandria, La	1.6	1.3	.7		1.1
Index, Ark	.9	.7	1.2	—	
Denison, Tex	1.9	1.4	1.2	—	
Rio Grande:					
Brownsville, Tex	.3	.6	.7		.3
Laredo, Tex	.7	.1	1.0	—	
El Paso, Tex	—	—	1.4	—	
Sabine River:					
Ruliff, Tex	—	—	(*)	—	
Savannah River:					
Port Wentworth, Ga	.7	.2	.8		.8
North Augusta, S.C	.7	—	(*)	—	
Schuylkill River:					
Philadelphia, Pa	—	.5	.7	—	
Snake River:					
Wawawai, Wash	.4	.3	.3		.5
Weiser, Idaho	—	—	.5	—	
Susquehanna River:					
Conowingo, Md	—	—	.2		.3
Sayre, Pa	—	—	.4		.3
Tennessee River:					
Chattanooga, Tenn	1.1	.4	1.3		.6
Yellowstone River:					
Sidney, Mont	.7	1.2	.3	—	

*Asterisk denotes insufficient sample for determination.
—Dash denotes determination not made.

PLANKTON POPULATION

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WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NEW MEXICO

MAJOR BASIN COLORADO RIVER

SUB BASIN SAN JUAN RIVER

STATION LOCATION ANIMAS RIVER AT CEDAR HILL, NEW MEXICO

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
2	1	60	1420		50		60	30			1280		30	30								--776
2	15	60	1720					70		30	1620		600	50								---76
3	7	60	3010				30			120	2860		210									45--3
3	21	60	360		30		30	70		30	200	50	230									-----
4	4	60	540					30			510		390	30								---7-
4	19	60	510							30	480	50	30									---7-
5	2	60	270							70	200	30										-----
5	17	60	180					30			150	30	340		20							-----
6	10	60	210					30		30	150		130	50								-----
6	20	60	240		30	30			30		150		170	30								-----
7	5	60	170						30	50	90		70	30			10					-----
7	20	60	390		30	30	30				300	30	390	30				1				-----
8	1	60	1060					110		30	920	30	320				10					7--63
8	15	60	19380			30	30				19320	70	1380	50			10	1			1	7--63
9	6	60	11570						30	30	11510	30	2750	90				4				7-763
9	19	60	20220		50	50	70	50			20000	30	3220	180			10					7--63

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WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN APALACHICOLA RIVER

STATION LOCATION APALACHICOLA RIVER AT CHATTAHOOCHEE, FLORIDA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Interpretation for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS			FUNGI & SHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		BARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
3	14	60	360	20		40		70	40	120	70	50	40	20								------
3	21	60	420	30		20		30	60	150	130	100	150		10						2	------
4	4	60	250	20		30			20	130	50		30	50								------
4	18	60	1150			50		100	100	620	280	210	190		10						4	--7-7
5	2	60	4330		30	110		170		3530	490	370	70		30		10	2				3-8-7
5	16	60	8300			50				7540	710	750	370	50	20	10		4				349-7
6	14	60	1090		30	320		110	90	430	110	170	110	90	30	10			2	4	2	-----7
7	20	60	370			50		90	50	130	50	110	30					7			1	------
8	2	60	370							200	170	90	200				10	1				------
8	15	60	760			90		130	170	260	110	170	30				10	3				4-----
9	6	60	660			180		270		160	50	220	70	110	10		10	4				------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARKANSAS RIVER-VAN BUREN TO MOUTH

STATION LOCATION: ARKANSAS RIVER AT PENDLETON FERRY, ARKANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 cu. ft.)				DOMINANT ORGANISMS (See Interpretation for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ARIAL FORMS	
10	5	59	170		30					140			90				10					------
11	11	59	210			50				110	50	50	140	90								------
1	4	60	160		30			50		30	50	30	70	70		30			2			------
1	18	60	290		70			30		30	160		30	30								------
1	25	60	180		30			50		30	70		30	30		50						------
2	9	60	690			30		70	50	440	100	120	100	30								4----
2	15	60	730							180	550		30	70								---7-
2	23	60	610			30			30	160	390	30	260	70						2	2	4--7-
3	1	60	390		30			30		80	250		110	160						2	2	------
3	7	60	650		30	30		200	30	290	70	30	90	130	10					4	2	-4---
3	21	60	330					160		50	120	30	100	90		160						------
4	11	60	530			50		50		270	160	30	140	30								--9--
4	18	60	630			50		140		140	300	210	300		10							------
5	2	60	730			70		110	70	180	300	110	200	30	10			2		4		--9--
5	16	60	320						30	50	240		90	30	10							------
6	6	60	640			70		30		260	280	170	370	110		10				2		------
6	20	60	260			30			30	110	90	50	110	30								------
7	11	60	3570	30		560		610	110	660	1600	280	170	490		10	10	1				74733
7	25	60	110						30	50	30	90	30									------
8	1	60	80					30			50	30	50	90	10							------
8	22	60	1350			450		160		450	290	450	140	290	10		10		1			4--67
9	12	60	130			50				50	30	90	30	70			10			1		------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: ARKANSAS
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARKANSAS RIVER, TULSA TO VAN BUREN
STATION LOCATION: ARKANSAS RIVER NEAR FORT SMITH, ARKANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	150			30		30		90		90	30	50	30	50	10					-----
4	27	60	1750			170		110		660	810	70	50	30						2		--973
7	19	60																				-----
8	4	60	330			30		110	30	90	70	70	70	370		10	20	2				-----
8	26	60	1040					70		830	140	140	50	30								4----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: OKLAHOMA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION: ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (In Enumeration) (In Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	100							50	50	30	70					10				-----
11	4	59	8230	30	70	600		440	50	2400	4640	100	530									48777
12	2	59	2940		70	160		460	70	600	1580	70	300	100								7473-
1	6	60	2040		30	90		370		460	1090	220	550	180			30					74-73
2	1	60	1400	30		70		50	30	230	990	70	1030	50								4--7-
2	15	60	850							70	780	30	320					2				--77-
3	7	60	240				20	90	20	30	80		70	30								-----
3	21	60	1180		30			30		50	1070		430	30	10							7---3
4	6	60	490	30	30	50				50	330		50	70	10							-----
4	18	60	2520	30	30	160	140	900	140	580	540	120	380	160	20	50	270					4-763
5	2	60	5860			170		710		2600	2380	130	410	50			10	2		2		74767
5	16	60	1240			170		280		130	660	410	340	50	10	70	10		1			--733
5	30	60	860			30		90	70	280	390	110	280				10					--9-3
6	13	60	1580			90		70	70	370	980	150	300									7476-
6	27	60	820			90		50		510	170	110	220	110		10						-49--
7	11	60	66590	1620	2850	9050		3410	50	33350	16260	9990	7400	40	10		50	7				48762
7	25	60	14930	90	320	2060		560		7020	4880	5090	1490	260		10	10					48963
8	8	60	18610	50		2420		540	240	7900	7460	9990	2630	3810		10	30	33	13			48165
8	22	60	4450			290		290		3130	740	540	290	50								48-63
9	6	60	1330			140		70		940	180	250	140	30			10					4-9--
9	20	60	83930	270		4140		230	50	75020	4230	9990	3440	800			10	1				48363

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			ALGAE (Number per ml)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	7	59	7260	30		110		30	30	1110	5950	910	1670	680			10					-476-
11	4	59	2550			70			30	90	2360	50	1480	180					2	2		--763
12	7	59	1390		30					50	1310		300									--763
1	5	60	1460							160	1300	30	550	90		110						--763
1	18	60	1770						50	30	1690		280	30								-5773
2	1	60	1740			30			30	50	1630		1260	30								-5773
2	16	60	1250							30	1220		130		10							--7-3
3	3	60	1250					50		90	1110		310	90	30							--763
3	28	60	100					20		50	30	20					10					-----
4	4	60	3270			30		30		300	2910	30	390	50				2	2		6	45773
4	19	60	5690					70		70	5550		420					4		2		--773
5	2	60	1960							90	1870	30	470						4			7-763
5	16	60	520							50	470	30	540	70				2				--7--
6	8	60	2280			50		50		90	2090		1040	110			20			4		7-763
6	23	60	1280		30	50				110	1090	30	810	280								--77-
7	5	60	850			50		70		50	680	50	170				10					--76-
7	18	60	1280			390		130	30	510	220	70	240			10	10	1			1	-8--7
8	8	60	2420			30		30			2360		300	110		10	10	1				--763
8	18	60	54810			90				120	54600	70	4750	30							1	7-763
9	12	60	36[illegible]	510		30				170	36040	30	310	170	10	20	10	2				---63

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: GEORGIA
MAJOR BASIN: SOUTHEAST
SUB BASIN: CHATTAHOOCHEE RIVER BASIN
STATION LOCATION: CHATTAHOOCHEE RIVER AT COLUMBUS, GEORGIA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Colorless)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	60			30				30			50				20		10			-----
11	3	59	670	50		100			30	300	190		70	100	10							4--7-
12	8	59	480	30		50		30		320	50	30		30				4	2			4----
1	4	60	410			30		30		230	120	70	50	30				4				-----
1	18	60	750	70	30	30		50	30	440	100	50	120	50					4			-4---
2	2	60	230							90	140		30									-----
2	15	60	210						50	90	70		50									-----
3	7	60	250							200	50				10							-4---
3	21	60	460			30		70	30	140	190	50	120		10						4	-----
4	5	60	190					30		120	40	20	140		10		20					-----
4	20	60	2040	120		140		190	70	1080	440	30	120	30			20					----7
5	2	60	1540	30	30	50		50	30	900	450	50	30						4	2		--9-6
5	16	60	1220					50	50	410	710	20	90		10	10			2	4	2	3-977
6	6	60	2110	110	170	340		50	880	280	280	240	50	30			10		8			-4--1
6	21	60	840			300	30	50	170	200	90	150	30		10	10	10	2				-8---
7	5	60	2550	240	50	830		200	770	220	240	240	70	30	10			5			1	-8-61
7	19	60	2080			360		620	420	240	430	300	220	70	10	30	10	14				48-61
8	2	60	250		50			70	50	30	50	50	30		10			4				-----
8	15	60	330	30				200		70	30	90	30	30	10		10	3	1			-1---
9	19	60	1630	820		180		220	220	160	30	110	70		10		10	1				-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE GEORGIA
MAJOR BASIN SOUTHEAST
SUB BASIN CHATTAHOOCHEE RIVER
STATION LOCATION CHATTAHOOCHEE RIVER AT ATLANTA, GEORGIA

DATE OF SAMPLE			ALGAE (*Number per ml.*)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS			FUNGI & SHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES					
6	14	60	300			30		30		90	150	50	70	50		10						-----
7	6	60	80							50	30	70										-----
8	9	60	210					30	90		90	30	170	90	10							-----
9	13	60	430						270	90	70	110	50	50	20		10					----1

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	2010	320	50	350				140	1150	50	210				40	4		2		783-5
11	9	59	440		30	30		30		70	280		30								2	7----
12	1	59	360			30		70		100	160	30	30	30	20	30						-----
1	4	60	230					30	30		170		30									-----
2	1	60	510			70				120	320		100		50							---7-
2	15	60	520					30	100	160	230	70	100							2		4----
3	1	60	280			50		30			200		30									-----
3	14	60	1080			100		120	30	210	620		140						2			4--7-
4	4	60	420	20		50		30		50	270	20	120	20								-----
4	18	60	520	30		70				100	320		50	30								-----
5	2	60	340			30				90	220		130									-----
5	16	60	270			50				50	170		50									-----
5	30	60	270			50				50	170		50									-----
6	13	60	540	50		30				70	390	50	90		10						2	-----
7	5	60	1920	30	30	110		90	50	50	1560	70	450	70								--7-6
7	11	60	580	30		150		30		320	50	30	340	50	10	10						--9--
8	1	60	1210			30		50			1130		150		10		10					----3
8	15	60	3050	50		160		50	30	140	2620	120	560	30								---63
8	29	60	960	30		30					900	270	30	70	10	10	10					----9
9	13	60	520			70				50	400		200	50							1	----3

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE CALIFORNIA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	7	59	100								100						10		30	10		------
12	1	59	130					50		50	30		50									--d---
1	5	60	60			30			30													------
1	13	60	430	70		70			100	70	120			30								------
2	2	60	130			30			30		70											------
2	16	60	790	30	710						50	30	30									-----4
3	2	60	100							50	50										2	------
3	23	60	220		20	30			110		60	20	90				10	2		2		------
4	6	60	130	20		30		20	20	20	20		20									------
4	20	60	60			30		30														------
5	4	60																	2			------
5	17	60	130			30				50	50											------
6	8	60	80	40		40						20	20	30					2	2		------
6	22	60	90			30				30	30											------
7	6	60	230			30					200		30	30								---7--
7	20	60																	1		1	------
8	4	60	70								70		50									------
8	17	60	130								130			30					1			------
9	8	60	430			50					380		50	110								------
9	28	60	420			90		30	30	90	180	30	30	90								------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & SHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
10	7	59	150					30			120											-----
11	3	59	100								100											-----
12	1	59	120		30			30		30	30		50									-----
12	1	59	120		30			30		30	30		50									-----
1	5	60	90		30					30	30			30								-----
1	19	60	30								30		30									-----
2	2	60	130	30						70	30		50									-----
2	17	60	30								30											-----
3	1	60																				-----
3	18	60	60						20	20	20	20	20									-----
4	12	60	30								30	50										-----
4	26	60	90	30		30					30								2			-----
5	3	60	1110			30		30		30	1020		150	30			10					--77-
5	17	60																	4			-----
6	7	60																				-----
6	22	60																				-----
7	5	60																				-----
7	19	60	30							30			90									-----
8	3	60																				-----
8	16	60												50								-----
9	6	60	140								140											-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN MIDDLE COLORADO RIVER

STATION LOCATION COLORADO RIVER AT PAGE, ARIZONA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
12	1	59	230							30	200		310									------
1	18	60	70								70		360									------
2	1	60	510							70	440	30	620									------
2	15	60	780					30		30	720	30	720	30								---7--
3	1	60	1030			30		30		100	870	70	480	30								---7--
3	21	60	300					30			270		50	50								---7--
4	4	60	410							120	290		70									--7---
4	25	60	1930							100	1830		30									------
5	9	60	430							90	340	70	510	70								7-743
5	16	60	150								150		280	30	10							------
5	23	60	470								470	70	620	110								------
6	20	60	320			90				30	200	30	770	150			20					------
7	7	60	830			130		130	30	300	240	150	600	280		20	10					4-9-6
7	18	60	1700			360		390		200	750	280	1170	340		10						78-3-
8	1	60	5690			1640		90		390	3570	170	3[illegible]	70								48-75
8	15	60	1580			260				620	700	430	[illegible]	30								48----
9	19	60	1230			3[illegible]		70		660	470	110	160	50								4-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE COLORADO

MAJOR BASIN COLORADO RIVER

SUB BASIN UPPER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT LOMA, COLORADO

DATE OF SAMPLE			ALGAE (Number per ml.)										OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		INERT DIATOM SHELLS			PROTOZOA						
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Explanation)
10	12	59	2750							120	2630		600	30			10					7-75-
11	3	59	930	30	30	90			30	220	530	30	1090	420		10	10					---7-
12	7	59	1380			50				70	1260		190	190								7--53
1	5	60	1250					30			1220		70	30								7--5-
1	18	60	1540							30	1510	30	230	30					2			75-5-
2	3	60	2380			30					2350		870	120								75743
2	15	60	1930					30		50	1850	30	760	30								7574-
3	7	60	8740							130	8610		680					2				75753
3	21	60	3340							70	3270		190									75753
4	11	60	6400							100	6300	70	730									-5773
4	25	60	3980							100	3880		530									7-753
5	9	60	610							30	580	30	150					2				-----
5	23	60	570					30		30	510	30	770	50		10						-----
6	13	60	820		50	30		30		240	470	90	50	130	30	30						-----
6	27	60	540			50		30		70	390	50	470	90		10						-----
7	5	60	1620			50		30		200	1340	30	540	50		90						-5753
7	25	60	1550			30				260	1260	30	1070	30								45--3
8	1	60	1370			50		30		220	1070	30	660	30								4---3
8	22	60	3830			30		160		2530	1110	290	430	30			10					-49-3
9	12	60	2440			110		30		870	1430	230	760		10					1		-4763
9	26	60	1340			30		30		220	1060	30	710									4-753

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT CLATSKANIE, OREGON

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Table for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	27	59	450	70						200	180	70	180				80					------
12	1	59	330	30						160	140	70	130	130			20					------
1	5	60	520			70				100	350	50	70									---7-
2	2	60	230							70	160		130	30								------
3	8	60	380					50	20	200	110		80	130			20					-4---
3	21	60	1000	30				70	70	530	300	50	140	100								-4---
4	5	60	1140			30		30		390	690	100	510	140			10					--97-
4	26	60	1140							390	750	70	200					2	2			--9-7
5	10	60	2200					30		1020	1150	90	240									3-9-7
5	31	60	2350			30				1190	1130	70	390	30								--967
6	13	60	2250						30	960	1260	130	660	30				1				3-987
6	28	60	2900		30	70		110		770	1920	390	1240	90		10	10		1			3-967
7	26	60	4880			130		30		2550	2170	1110	1450	150	10	10		5	1			--966
8	15	60	680		90	30	90	30	30	130	280	220	340	70	10			10	1			-----6
8	30	60	1230	30	340	50	70			470	270	120	340	120	10	10	20	28	1			--9-6
9	12	60	910			160	50	70		380	250	490	250	110		10	10	3				-----7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	1650			110		30	30	890	590	460	550	30		10	70					--977
11	2	59	270							130	140	140	530	30		20			2			-----
12	14	59	670							260	410	70	260	190								4----
1	18	60	100							30	70	20	50									-----
2	23	60	570			50				100	420	140	230									---7-
3	7	60	290							170	120	70	50	20				2				-4---
3	21	60	700							100	600	130	190									7----
4	4	60	1350	30		30			30	140	1120	160	690	30			10					--77-
4	18	60	2180							420	1760	70	300									7--86
5	9	60	3840			30				1830	1980	90	450									3-986
5	23	60	2420					30		1240	1150	280	600									--9-7
6	13	60	2400					50		880	1470	150	560			10	10	10				3-983
6	27	60	1640	30				50		940	620	260	770	30		10						3-9-7
7	11	60	1510		30			30		450	1000	130	510	30			20	2				3-9-6
7	25	60	1910	30	70	70		70		450	1220	540	600		10			4				3---6
8	8	60	2540		1110	200		30		430	770	430	570	30	10		20	1				---74
8	21	60	1970		1560				30	200	180	270	180	140				4				----4
9	12	60	840	30	30	110	50	30		360	230	200	400	30			10	1				----7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE WASHINGTON
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See explanation for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	350							70	280	30	120					2				-----6
11	2	59	250							50	200	30	90	30								------
12	1	59	650			30				200	420	30	160		10		20					-4---
1	4	60	520	30		30				70	390	100	50	30				2				---7-
1	11	60	420							100	320		160									---8-
2	1	60	190							30	160		70					2				------
2	16	60	400							50	350		30									---8-
3	1	60	160						20	30	110		110						2			------
3	21	60	1320			50				280	990	30	350									74-5-
4	11	60	1450					50		460	940	100	300									7--87
5	2	60	1760					30		470	1260	70	90					2	2			3--87
5	9	60	1300							320	980	150	540									---87
5	16	60	2020					30		560	1430	70	690		10		10	2				3--67
6	6	60	1870					30		450	1390	130	450									3--87
6	20	60	1350							470	880	50	260	30							2	3--87
7	11	60	570					90		90	390	90	170				10	1				------
8	8	60	760		430	30	30			70	200	50	240				10				1	-----4
8	11	60	220		70	30			30		90		320	30								------
9	12	60	460					30		290	140		320	30			10	1				--9--

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER ABOVE YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	12	59	80							30	50	30	120									-----
11	9	59	290	50						50	190	30	30									-----
12	7	59	240								240											---8-
1	11	60	280							30	260		120					2				---8-
1	18	60	550							70	480		50	30			20					---8-
2	2	60	540							30	510	30	160									---8-
2	15	60	620							140	480		100	30			20					---8-
3	1	60	340					20		100	220	30	120		30							-----
4	4	60	540			50				70	420	70	50									-----
5	3	60	1670			50				340	1280	30	110									3--87
4	25	60	830				30	30		130	640		30									---8-
5	16	60	1440					30		150	1260	70	820									3--63
6	6	60	2960						30	1570	1360	70	470					2				3--87
7	6	60	950					30		240	680	150	410	30		10		5				3---7
8	6	60	510		110			30		70	300	50	240	90				3				-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: CONNECTICUT RIVER
STATION LOCATION: CONNECTICUT RIVER BELOW NORTHFIELD, MASSACHUSETTS

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Interpretation for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
11	2	59	110						30	30	50	30	310	50		10	10					
12	7	59	330		30		30			110	160	90	160	70								
3	1	60	30							30							10					
3	31	60	270	30				20		40	130		70	30	10				2			
5	3	60	220							70	150		50									
6	7	60	500			30		30	30	90	320		10	50			20					
8	16	60	6580	160		400		70	180	1380	4390	400	650	140			20	3	1			34---7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	F. ABELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	13	59	2470	210		760		70	30	960	440	460	550			10			2			4837--
11	9	59	550			90				200	260	160	140									--7--
1	4	60	1030	30		70				300	630	110	780	70	10		10					45-7-
7	13	60	200			70		30		30	70	30	200	30		10	10	1			1	-----
9	13	60	500			30				250	200	70	360									-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-LEHIGH RIVERS

STATION LOCATION DELAWARE RIVER AT MARTINS CREEK, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
1	6	60	530		50						480	30	210	70								---7-
2	17	60	380						30		350	30	30									-----
3	2	60	130								130		30					2				-----
3	23	60	1440	30		30				30	1350	70	120	70								7--4-
4	4	60	1600			30		30		50	1490	70	990	30			10		2	4		7-753
4	20	60	1040					50		190	800	50	210	30			10	2				3-776
5	2	60	3070	50		50	50	450	230	1500	740	50	210			10				2	2	7-431
5	18	60	670			30		70	90	90	390		70		10		10					-- --
6	1	60	390			70		50		70	200		220		10							-----
6	15	60	690	30		360		90	50	50	110		220									-----
6	29	60	390			220		30		30	110	50	300	30			20					-8---
7	13	60	200			70		30		30	70	30	200	30		10						-----
7	27	60	60					30		30			70									-----
8	10	60	650	30		110			30	110	370		200			10	20	1				-----
8	24	60	730	30	50	90		50	30	140	340		560	230								-----
9	14	60	1230		70	70			90	70	930	90	1550		10		10	1			1	---53

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN PERDIDO-ESCAMBIA RIVER

STATION LOCATION ESCAMBIA RIVER AT CENTURY, FLORIDA

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
8	29	60	230			110			70		50		30	270								------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN ST. LAWRENCE RIVER
STATION LOCATION ST. LAWRENCE RIVER AT MASSENA, NEW YORK

DATE OF SAMPLE			ALGAE (*Number per ml.*)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS				PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
4	20	60	940			100		50		510	280	190	50				50					--987
5	23	60	130		30					50	50	50	110					2				------
7	26	60	230			30		30	30	50	90		50	90				5	1			------
8	18	60	200		50	30				120		50	30	90								------
9	8	60	280			30		90		110	50		90	90	10		10	1				------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA RIVER
STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (no. per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	7	59	190	30	30	30				100												------
11	5	59	440	30	30	30				160	190	100	30	50	10			6				------
12	2	59	330	30		30				220	50	30	50									-4----
1	6	60	520		30	70				230	190	30	120	50								------
1	20	60	570	30		30		30		240	240	90	30	90								------
2	3	60	130				30	30		70												------
2	17	60	160					30		100	30	70	50			10						------
3	2	60	170			20		20		70	60	100	40					2		4		------
3	16	60	190			40		20		100	30	70										------
4	6	60	50			30				20					10			2	4			------
4	20	60	130					50		50	30		70									------
5	4	60	350			30			50	220	50	50	30			10		2	2			------
5	18	60	150						50	70	30	50			10							------
6	1	60	170			50		30	90				20		20		20	8	4			------
6	15	60	10						10								10	2	6			------
7	6	60	160	30		70				30	30	30	70					1				------
7	20	60	110			30			30	50					10		10	3				------
8	3	60	30			30							30					1	1			------
8	17	60	30	30														1	1			------
9	7	60	80			30			50					30		20	20	7				------
9	21	60	200	30	30	30			30	30	50							5				------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See footnote for identification)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	6	59	410					30		90	290	90	180			10						-----
11	6	59	820		30	30			120	160	480	70	50									7-94-
12	1	59	380		50	30			30	110	160	30	30	130								-----
1	5	60	1240	30	100	70			70	210	760	100	50	300								34-7-
1	20	60	490						30	70	390	100	210	30								3----
2	2	60	1340			30				70	1240		70									3--4-
2	17	60	1400	30							1370		230	30								3--4-
3	1	60	330			20				20	290			30		30						3----
3	15	60	180	70		20				20	70		50									-----
4	5	60	580								580	30	140	30								---7-
4	19	60	1530			140		30	50	190	1120	50	210						2			---86
5	3	60	250			30				70	150		30					2		2		-----
5	17	60	480							90	390	70	130						2			-----
6	8	60	340			30				70	240	50										-----
6	21	60	240			30		30		50	130	30				10		2	2			-----
7	6	60	150			30				70	50	90	70		10			1				-----
7	19	60	120							90	30	30	50		10				1			-----
8	4	60	120	30							90		50		10							-----
8	16	60	80							50	30		50									-----
9	6	60	180	50				30		30	70	90	70									-----
9	20	60	50							50		30	50									-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION ST. CLAIR RIVER AT PORT HURON, MICHIGAN

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
5	16	60	250							50	200		110					2	2			
6	3	60	220			30		30		110	50	30	70					4	2			
6	20	60	150						30	70	50	150	110			10		2				
7	5	60	140					50			90		30	30		10		1	2			
7	18	60										50						1	3			
8	1	60	170					30		90	50		30						7			
8	15	60	180	70		50				30	30		90	30	10			1	4			
9	6	60	80			30					50				10			1	4			
0	19	60	140	50		30				30	30											

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: WISCONSIN

MAJOR BASIN: WESTERN GREAT LAKES

SUB BASIN: LAKE MICHIGAN, WESTERN SHORE

STATION LOCATION: LAKE MICHIGAN AT MILWAUKEE, WISCONSIN

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & BREATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
9	6	60												50	10			1				-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE INDIANA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. JOSEPH RIVER

STATION LOCATION LAKE MICHIGAN AT GARY INDIANA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	1690	120		260				280	1030	140	120		10		30	20				
11	9	59	660		30	50		30		200	350	90	310				20	2	2			
12	14	59	1480	30		100				300	1050	210	760	30		10		6				
1	11	60	860	30						180	650	50	110					4	2			
1	18	60	2850	160		260			30	730	1670	710	1030	50				2				
2	2	60	2870			160			30	1370	1310	990	1650	70					4			
5	10	60	2760			50				370	2340	170	680						2			
5	23	60	430							90	340		90								10	
7	6	60	370		30			30	30		280		50	50				2				
8	9	60	260			50			50	30	130		30		10			2	1			
8	23	60	30							30		30					20					
9	6	60	200	30				30		30	110	70	30	50	20		30					
9	20	60	590	70				30	70	200	220	50	90	90			30	1				

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION ST. MARYS RIVER AT SAULT STE. MARIE, MICHIGAN

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introductory Note for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
11	9	59	90								90		30				10					------
12	7	59	130		30	30					70	30	30					?				------
1	4	60	1700							500	1200	300										------
1	18	60	100	30							70	30	70									------
2	1	60	150							30	120		30									------
2	15	60	220			30				50	140		50									------
3	1	60	30								30		30	70								------
3	21	60	100			20				20	60	20	70									------
4	4	60	270	70		80				50	70	30	30	20								------
4	18	60	110			50				30	30	50	100									------
5	2	60	500		30					130	340	50	130					2	2			------
5	16	60	70					20		20	30							4	2			------
6	6	60	70								70		50					4				------
6	20	60	300		50			30		50	170		230					4				------
7	5	60	60							30	30		70					1				------
7	18	60													10							------
8	1	60	50							50			30					1				------
8	15	60	50							50			50	30	10			?				------
9	6	60	80			30					50	30	30									------
9	19	60	60			30				30			30	70								------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: MINNESOTA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: LAKE SUPERIOR
STATION LOCATION: LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	110			30				50	30	30	30	90								------
11	2	59	230			30		50		30	120	50		30								------
12	7	59	80							30	50	30	30									------
1	4	60	310	30		50				160	70	120	100	100				2			2	------
1	25	60	30								30											------
2	1	60												50					2			------
2	23	60	80	50							30		30									------
3	7	60																				------
3	21	60	140			20	20	20		30	50											------
4	4	60	120			40		20		20	40	30		20								------
4	19	60	130						30	50	50							4	2			------
5	3	60	160		30	30				50	50								2			------
5	23	60	90								90											------
6	6	60	20						20													------
6	20	60	60			30					30		50					4	2			------
7	5	60	110			30				30	50			50	10							------
7	18	60	90			30				30	30		50									------
8	1	60																				------
8	15	60	140	30					30	30	50		30									------
9	8	60																	1			------
9	20	60	200	50		30		30			90				10							------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LOWER HUDSON RIVER
STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (In order of abundance for 3 interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Undigested)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	14	59	2040	420	160	870		30		300	260	230	100				50					4832-
11	4	59	540			90		30		350	70	220	240	50								-4---
12	9	59	290							180	110	50	290									-----
2	10	60	230			50		30		100	50		50									-----
2	17	60	250							70	180		30									-----
3	2	60	300					30	20	120	130	80	100									-----
3	30	60	280			40				120	120	130	190	50						2	2	-----
4	6	60	770	30						70	670	30	70		10				2			---7-
5	4	60	850					50	50	240	510	300	280					2		4		-----
5	18	60	360			50				200	110	110	170	30	10		20					-----
6	1	60	390			50		50		220	70	110	50	30								-----
6	15	60	170						90	50	30	200	90	110			20					-----
7	13	60	590			30		70	30	370	90	260	170	50	10		20	3				-----7
8	3	60	1060		70	90	30	50	50	600	170	450	150	70	10		10	1	1	1		-----7
8	17	60	560			50			30	250	230	160	230		10				1			-----
9	7	60	1490	30	250	360		30	50	520	250	250	160	160			10	1				-----7
9	21	60	1290	50	50	90		30		870	200	160	110	220		10	20	1				-4--7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN ILLINOIS RIVER

STATION LOCATION ILLINOIS RIVER AT PEORIA, ILLINOIS

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	BARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
3	31	60	1400	370		90		90	30	90	730			90		10	40					-5-7-
4	18	60	1370			120		30	50	850	320	620	190					2				4-977
5	16	60	11910	240	150	1150		810		7900	1660	70	50		10	10	20	6	2	2		78935
5	31	60	4220	50	110	660		620	90	1620	1070	470	320	90	20		10	8	6			--943
6	21	60	8200	130	150	1110		1240		4080	1490	1150	750	150		10	20		6			84961
7	6	60	16920	130	240	960		1260	770	10530	3030	3180	390	370	10	20	30	10	3		13	41963
7	26	60	6500	90	130	1260		2150	220	1050	1600	1190	470	90	10		30	80	7			41-6-
8	15	60	6400	90		620		750	600	2990	1430	3150	850	170	10		10	9		1		48967

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE WEST VIRGINIA
MAJOR BASIN OHIO RIVER
SUB BASIN KANAWHA RIVER
STATION LOCATION KANAWHA RIVER AT WINFIELD DAM, WEST VIRGINIA

DATE OF SAMPLE			ALGAE (Number per ml.)										INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See introduction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					FUNGI & SHEATHED BACTERIA	PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
2	24	60	180								180		30	30								-----
3	25	60	260	20				20			220	20	60	110								-----
4	13	60	530			30		30	30	70	370	30	100	50								-----
4	28	60	2370			280		140		1810	140	140		70				2		2		--9--
5	4	60	1320	50		200		500	30	180	360	30		210	10	30				2		--9--
5	18	60	370							70	300	50	560		10		10					-----
6	13	60	730			130		150	50	200	200	70	30	110		10	30					-----
6	29	60	15270	150		620		750	70	13420	260	1830	70	50		10		7				48-35
7	20	60	210			70		110		30		110						1				-----
8	3	60	1020			90		240	340	300	50	170	20	110			10					4--37
8	17	60	50								50	50										-----
9	7	60	320				160	50		110				110			10					-----
9	21	60	300	30		30			30	140	70	30		50			10	1				-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MASSACHUSETTS

MAJOR BASIN NORTHEAST

SUB BASIN MERRIMAC RIVER

STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	22	59	1790		50	370		440	30	480	420	260	1020	550	10			3				84-7-
12	1	59	350		30	30				90	200		200	1170				2				-----
12	7	59	160			30	30			50	50		30				20					-----
1	15	60	900		30	90			210	120	450	50	560	210			120			6		---76
1	20	60	130							30	100		70	230			30					-----
2	17	60	6380	50		130		160	90	800	5150	180	1170	4000	30	650	110	2		4		45783
4	5	60	1500			50				260	1190	190	620	190			10					--77-

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: LOUISIANA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER MISSISSIPPI-NATCHEZ TO GULF
STATION LOCATION: MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (Use Interpretation for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	1	59	850	50		180		70		440	110	460	70	160								--9-7
10	15	59	310					50		210	50	160	70	70								-----
11	5	59	240	30						180	30	260	30	50	10							-----
11	19	59	620			30				500	90	390	90	310			10					--9--
12	3	59	870	50		50		50		650	70	350		30								--9--
12	12	59	1460			100		120		1190	50	550	100	100	10		10		2			--9-7
1	7	60	1740			70				1210	460	440	390	30								749-7
1	21	60	250							90	160	120	120									--9-7
2	19	60	880							720	160	110	30	220								-4---
3	7	60	910			80				590	290	160	50	70								--9-7
3	17	60	2090	160		70		180		1410	270	330	70	70						2	2	4-9-7
4	7	60	860			30	30		30	510	260	420	120	30	10		20					--9--
4	20	60	320				70	30	30	140	50	180	140				10					-----
5	4	60	310			30		30	30	150	70	70				30	20			4		-----
5	19	60	310			30		50		200	30	70	50	110			60			2		--9--
6	1	60	240			30		30		90	90	170	110	280						2		-----
6	15	60	490			70		50		280	90	110	30	110	20	20	40					-----7
7	6	60	480			30		50	70	240	90	490	240	1240			40					-----
7	20	60	110			30				50	30	110	70	300	10		10					-----
8	3	60	220			30		30		90	70	90	40	1020		10	10					-----
8	17	60	170			50				90	30	120	180	200			10					-----
8	31	60	540			50				400	90	200	30	140			20					--9-7
9	14	60	560			70		30		320	140	250	250	400			20					-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT DELTA, LOUISIANA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & BREATHED BACTERIA	PROTOZOA				ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Undifferentiated)	CILIATES						
10	5	59	630					30		420	180	540	130	310			30						--9--
10	19	59	440			30		30		280	100	190	70				140						-----7
11	2	59	540		70	120		120		140	90	160	120	160		30	30						-----
11	16	59	790		50	50		30		590	70	630	110	200			20						--9--
12	7	59	2340		50	110	30	90		1990	70	850	260	160									--9-7
12	21	59	1300		120	90		30		790	270	320	180	160									----7
1	25	60	1450			100		30	30	920	370	960	230								4		4-9--
2	17	60	980					30	30	720	200	110	50	50			10						-4---
3	7	60	1250			30		30		890	300	550	120	50		10					4		-4---
5	4	60	270					50		130	90	90	70			10					4		-----
5	19	60	290			30		50	30	50	130	90	110	50			10				2		-----
6	2	60	510			90		30	50	170	170	170	200	410			10						-----
7	12	60	310			30		70	30	130	50	150	150	280	10	10	20						-----
7	26	60	320			50		50		90	130	110	200	770	10		20				1		-----
8	12	60	430		30			50		220	130	170	90	750	20	10	20						-----
9	7	60	950			70		70		670	140	200	160	580			10				1		-4--7
9	28	60	730	30		30		70	30	430	140	70	50	70			10						--9-7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (Use for selection for interpretation)
10	5	59	580	30		160		50		290	50	1000	330	480								48---
10	19	59	410	30	30	70				230	50	180	90	70		10	10					------
11	9	59	920		30	140		30		620	100	710	30									4-----
11	16	59	1420	50		100		30	30	1050	160	580	100	30								4--77
12	1	59	1360			200		90		980	90	800	90	30								-49-7
12	21	59	1990		30	50		100		1510	300	1170	280	160								4---7
1	4	60	3820	30		140		30	50	2880	690	920	70	70								4--7-
1	18	60	2270	30		30		30		1580	600	550	420	30								4--7-
2	1	60	740					30		480	230	280	230	50				2			4	4--77
2	15	60	970			30		70		350	520	80	120	130		30					2	-4-7-
3	1	60	820					50		420	350	30	30	50			10		2			------
4	4	60	1350			50		180		760	360	410	590	160		90	50					--93-
4	18	60	580			90		30	50	340	70	50	30	50	20		10					-----7
5	2	60	790		30	30		70		500	160	320	50	50	30	10	30			2		--9-7
5	16	60	390			30			30	240	90	130	150				10			2		--9--
6	6	60	610		30	30		30	30	340	150	240	130	410	10	10	10		4	2		--9--
6	20	60	1190		70	90				900	130	1280	470	510		20	10					--9-7
7	5	60	260							130	130	130	130	240		20						------
7	18	60	120					50			70	200	200	600	10	10	20					------
8	1	60	340			70		130		110	30	110	250	520			10					------
8	15	60	1610		30	400		130		900	150	640	90	150	10			1				----7
9	6	60	200			30				140	30	160	180	70			20					------
9	19	60	660			50		50		510	50	70	30	470	10		10					-4--7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: MISSOURI
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	590		30	50		270	30	50	160	70	70	30	10	30	20					-----
10	19	59	180		50	30		30		70		90	50	140		10						-----
11	23	59	2700	50		330		90		1990	240	1380	480	260					20			-8977
12	21	59	4040			120		50		3180	690	320	300	100		30	30					--94-
1	6	60	5420			50		70		4520	780	570	260	90								--963
1	19	60	890		30			70		670	120	30	70	30								--9-7
2	2	60	1140			30				1010	100	140	120									--9--
2	15	60	1370	30				70	50	780	440	780	440									-49-3
3	7	60	8070			30		610		7360	70	290	130	50	30		20		2			-4-3-
3	21	60	4310			120		140	70	3700	280	480	50	50								-49--
4	4	60	310					30		110	170	20	30	50								-----
4	21	60	1460			50		50	50	920	390	390		30								--7--
5	2	60	960					30	30	660	240	240	150							2	2	--9--
5	16	60	810			30			50	600	130	340	260	50	10		30			2		--9-7
6	6	60	1310	30	70	50		50	30	880	200	1070	300	220			10					--9-7
6	20	60	690		30	50				370	240	150	320	220								--9--
7	5	60	280							150	130	110	150	30			10					-----
7	18	60	220		30	70		70		50		200	220	300			10					-----
8	1	60	330			50		50		200	30	220	70	370	10		20					-----
8	15	60	2780	50	30	340		90	90	1640	540	1410	320	950	10	10	10					4---7
9	9	60	1060	30	30	70		160	30	650	90	200	90	690			20					--9-7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & BHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		BARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
10	5	59	1880	30		240			50	1190	370	1990	460	160			20					-4-77
10	19	59	1270	70		180		120		560	340	270	30	90	30		10					74--7
11	2	59	4640	120	50	390		70		3590	420	2580	140				10					749-7
11	16	59	4710		30	280				3980	420	1210	350									--9-7
12	7	59	10400	70	70	220		370	70	9270	330	1040	110	200				8				4-937
1	4	60	9450	30	30	70		460	30	7980	850	1020	310	90				4				--93-
1	18	60	680		30	30				500	120	140	90	50								4----
2	1	60	2400			160		50	50	1880	260	350	160	30					2			4--7-
2	8	60	2100			120		140	50	1650	140	300	160					2				4----
2	15	60	2260			30		190		1760	280	280	70									4-93-
3	7	60	11570			30		550	50	10830	110			130	10			4		2	2	--93-
3	21	60	8100			30		160		7720	190	990	100	100	10			12		6		4-9--
4	18	60	1410							900	510	320	50		10		30					--977
5	2	60	2650			90				1790	770	320	130		20		10	2		4		--977
5	16	60	1260			30		50		540	640	300	50		20		20	4	2	4		--977
5	23	60	1260		30	170		30		830	200	1070	580	30	10							--9-7
6	20	60	1370		30	110		70	70	810	280	150	130	130		20	10					--9-7
7	5	60	400			30				260	110	370	150	200	10	10	10					--9--
8	1	60	1020			130		30		710	150	340	30				10	1	2			-49-7
8	15	60	3270	150	30	390		90	50	2130	430	850	90	260	10		20	6	2			4-967
9	6	60	1700	30		50		140	70	980	430	540	290	140		10	20					4-967

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	2800	30	30	480			30	1940	290	3270	480	260		20		10				489-7
10	19	59	2260	30		160		70		1740	260	670	160	190		30			10			4-9-7
11	3	59	3090	30	30	260				2260	510	640	50	30								48977
11	16	59	1070			50				910	110	850	130		10		20					--9--
12	7	59	8040	50		110		90		7760	30	290	50					4				--9--
12	21	59	23940	110	90	110		130	90	23250	160	1320	50		20		30	6				--9--
1	4	60	10270	30	70	90		160		9290	630	1240	350	90								-4937
1	18	60	2590			70				2130	390	220	200	130				2				--9-3
2	1	60	2200					50		2150		70										--9--
2	15	60	3380			50		300	30	2860	140	390		50				2				--9--
3	7	60	7240	120	50	70		120	50	6780	50	270		120	50		90	2				-4---
3	21	60	7530			140		230	50	6990	120	2470	50	30			10			2		--93-
4	4	60	2370					30	30	1260	1050	730	260	30		10						--967
5	2	60	3090		30	180		90		2000	790	390	30	30	10		20	6	2			--9-7
5	16	60	2620		30	150		170	240	1640	390	980	300	50		40	50	2	2			--9-7
6	6	60	3380		50	50		90	50	2880	260	770	280	130								--9-7
6	13	60	5990			90		90		3470	2340	640	300	150		10	20	2		2		7-967
6	20	60	2560		30	340		90	30	1790	280	1890	260	260			30					--9-7
8	1	60	3720	220		1000		360	30	1700	410	680	240	50		20	20	1				-4927
8	22	60	5430	340	90	450		120	90	4050	290	1340	270	50		10	10	6				--9-7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Interpretation for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Colorless)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	13	59	1080	120	50	140		30		620	120	50		50					2			--9-7
11	9	59	1740		180	70			30	630	830	480	260	160								--947
11	23	59	1030		120	140		70		670	30	280		50								--9-7
12	1	59	1550	30	30			130	30	1300	30	130										--9--
1	4	60	10890			280		30	120	10160	300	830	160	140	10			6				--9--
1	26	60	4760	30		30		230	100	4320	50	530	50	50				4				--93-
2	2	60	2780					70	70	2540	100	230										--9--
2	9	60	3950	50		70		480		3300	50	350	30	30					2			--93-
2	15	60	14510			30		390	70	13980	140	460	30			10						--93-
3	8	60	21280		50	130		740	30	20110	220	420					30					--93-
3	21	60	4100	30		30		120	30	3790	100	300	70	30			10	4			2	--9--
4	11	60	19750	50	50	2520		140	230	14610	2150	1460	500		10			2	2	4	4	--927
5	23	60	7120		90	1110		280	260	4040	1340	1340	340	50	10			2				--977
6	6	60	6130			150		50		5590	340	820	220	90		10	10	4				--9--
6	15	60	2360	50		110		190	90	1810	110	450	700	30	10	10	20	2				--9-7
6	21	60	1590			90		50		1170	280	470	130	120								--9-7
7	5	60	1030	30		150		70	130	560	90	130	90	110	10	10	20					--9--
7	11	60	460	50	30			30	50	300		220		30	10			1				----7
7	18	60	780		280	90		50	50	280	30	90	20	50	10		20	2	1			-----
8	1	60	220		30	30		50		110		30						2	2			-----
8	15	60	850		30	70		30	30	640	50	200	90	30				1				----7
9	6	60	1520	70		180		70	30	1080	90	770	140	30	10		20	1				--9-7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: MINNESOTA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: UPPER PORTION UPPER MISSISSIPPI
STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	13	59	4610	140	290	1050		320	210	2280	320	700	180	70	10	50		2				46977
10	27	59	11810	430	540	760		250	50	9170	610	2140	180	180		30	30	4				46977
11	10	59	20770	220	220	550		30		19230	520	2340	340			30	110	8				4-975
11	24	59	14560	90	30	500		130		13350	460	460	50	70			50	2				--9-5
12	8	59	18670	110	30	440		630	160	17100	200	200		290								--935
12	22	59	10130			50		160		9850	70	110	50	70			50					--93-
1	12	60	2270	30		30		30		2040	140	120		120				2				--9--
1	26	60	1740	30		30		120	30	1460	70	30		50								--9--
2	9	60	1110			30		70		850	160	50		70								--9--
2	23	60	1170					90	30	850	200					30	50					--9--
3	8	60	160					30		130				30				4				-----
4	12	60	5730	30		190	30	100	30	3220	2130	1400	820	70			10	2				--967
4	16	60	24180	50		350		340		19930	3510	1450	260		20		20	4	4			4-967
5	24	60	2230		50	200		50	30	1130	770	1070	340	30	10		30			2		--962
6	14	60	7240	150	110	700		50	390	4060	1780	830	560	130	20	10	20	6	4	2		78967
6	27	60	14870	490	90	870		560	430	11070	1360	3510	810	880	30	90	40	1				48967
7	12	60	21830	600	130	1090		770	470	17300	1470	4610	510	220	20	10	10	26	4			41962
7	26	60	12440	280	90	1190		200	660	9310	710	5000	450	390		20		15	3			48927
8	9	60	7200	390	90	940		830	990	3070	580	1940	90	70	20	20	10	9	5			-4937
8	23	60	11270	70	340	760		290	990	7730	1090	2070	120	90		10	10	14	14			48977
9	13	60	4060	110	110	510		160	550	2400	220	1300	160	160	20	20	30	5	1			-49-7
9	27	60	7060	1600	200	850	30	180	320	3390	490	720	1180	200	10		20	22				483-3

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT ST. LOUIS MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Colorless)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMALFORMS	
10	5	59	550	50		70		50		200	180	110	280	70								--9--
10	19	59	440	30	30			30		230	120	160	180	160								-----
11	2	59	1200			50				910	240	220	330	70								--(--
11	16	59	970			90			30	590	260	260	680	130						2		4--7-
12	7	59	1980			90				870	1020	260	1130	240	10					2		4--7-
12	21	59	1800			30		70	50	550	1100	100	350	50					2			45-7-
1	4	60	930	30	30			30		230	610		180	30		10						-4-7-
1	18	60	150		30			50			70	30	90	30								-----
2	1	60	170							30	140	30		30								-----
2	15	60	490				50			240	200	30	30		10	30	20					-4---
3	7	60	450					30		240	180	50	90							2		-4---
3	21	60	660			70		30		300	260	120	140	30								-----
4	4	60	170			20				70	80	50	50									-----
4	18	60	390					140			250	70	160	90		10	10					-----
5	2	60	1210			70		70	50	370	650	70	130	200			10	2	2	2	2	--97-
5	17	60	240							90	150		150	70	10	10	20					-----
6	6	60	370			90		70	30	50	130	70	370	90								-----
6	20	60	520			30		30		50	410		200	70	10							-----
7	5	60	120							70	50	30	30									-----
7	18	60	270			50		90	30	50	50	110	200	290		10	20					-----
8	1	60	680			200		110		260	110	110	130	1220		10	30					4----
8	15	60	80			30					50	50	140									-----
9	6	60	100					30			70	50	160				10					-----
9	18	60	1260			220		290		520	230	580	290	2420	10	10	10					-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	13	59	3300	30	30	530		120		1350	1240	440	570	70			30					78965
11	10	59	2120		30	180		130		590	1190	260	1090	90			10					--966
11	18	59	3060		70	190				1810	990	210	300	140								48-7-
12	7	59	1770			120		50	30	830	740	140	390	100								4-77-
1	4	60	44300			900		2900		26600	13900	5200	4200	2400			20					74-37
1	18	60	360					30		70	260			70								-----
2	1	60	400			50		30		50	270		30	90								-----
2	15	60	360							50	310		14									3----
3	7	60	470							140	330		70	30								-----
3	14	60	1190					30		420	740	50	190	50								3-9--
4	4	60	300							80	220		60	70								-----
4	18	60	800					340	50	270	140	90	230	50		10	50			2	2	--9--
5	2	60	2520			220		410	30	580	1280	200	150	30		10	10	6				7-966
5	16	60	980			110		240		200	430	150	510	30	10	70	30			4		--9-6
5	31	60	380		30					110	240		70	90								-----
6	6	60	270			50		50		120	50	90	90			10	10					-----
6	20	60	190							140	50	90	30	30		10	10					-----
7	5	60	320			30		50		110	130	90	130	30								-----
7	18	60	410		30	110		50		50	170	200	130	50		10	10					-----
8	1	60	2380			830		240	50	830	430	1070	430	410	10		10					489-6
8	15	60	700			150		70	30	340	110	1300	300	200	10		10					----7
8	29	60	120							90	30	30	90	50			20					-----
9	19	60	1150	70	30	160		240		560	90	1450	160	470			20					--93-

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Colorless)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	3	59	530	90				140		230	70		70	50								--9--
10	21	59	2190	120		320		230	70	1070	380	210	230	180		30						--9--
11	2	59	1590		70	180		50		570	720	160	700	30								-497-
11	16	59	2720	30		130		50	30	2170	310	260	440	90								-497-
12	1	59	1650			50		30	30	780	760	330	810	220								-4-7-
12	21	59	4760		30	130		220		3680	700	310	740	180								-4973
1	4	60	3220			30		110		1990	1090	570	290	50								3477-
1	15	60	280			30				90	160											-----
2	2	60	330							70	260		30	90						2		-----
2	15	60	1100					30		310	760		30	90	10		30					3-9--
3	1	60	420								420	30		30					4			3----
3	18	60	750		30			30	50	160	480	70	100	30	10		10			2		3----
4	6	60	100							30	70	170	140							4		-----
4	21	60	1480			30		160		420	870	120	190									--9-6
5	2	60	2020	30	30	200		130		710	920	90	130	30	10					2		7-966
5	17	60	690					70		130	490		240				10			2		7--6-
6	7	60	1340		160	50		340	30	490	270	70	340	70	10		10					--9--
6	13	60	1700		30	150		90		580	850	90	340	50								349-7
6	16	60	1700		30	150		90		580	850	90	340	50			10					349-7
6	30	60	250							200	50		200									----7
7	25	60	1670		50	390		190	50	580	410	980	300	790	10		20					-89-6
8	3	60	1740			290		170	70	730	490	1490	390	430	10		10	1				489-7
8	12	60	750			190		110		340	110	260	150	260	20	10						-----
9	7	60	1110			160		30	30	450	440	400	70	90								--9-6
9	19	60	1170			50		70	90	490	470	270	140	90		10	10					-49--

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT OMAHA, NEBRASKA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Explanation for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	12	59	1830	120	30	370		190		640	480	230	120			10		2				--923
10	19	59	2070			390		70	30	1420	160	140	160	100		20						--92-
11	5	59	1460		30	90		30	30	520	760	180	750	420								--97-
11	16	59	2270		50	30		30	30	2060	70	160	50									--9--
12	7	59	1120					30		980	110		50	70								--9--
12	21	59	3060			30		120		2860	50	30	50	50					6			--9--
1	4	60	2790			70		520		2090	110	110	50	30			50					--93-
1	18	60	2440					190	30	1990	230	100		30					2			3-93-
2	1	60	600							280	320	50	50									3-9--
2	15	60	1680			30		230	70	230	1120	30	30	30	10		20	2				3--3-
3	7	60	490			70				130	290	30	30									3----
3	21	60	900					30	30	260	580	100	30	50				2	2	4		3----
4	4	60	150							70	80	30	90	30			20					-----
4	18	60	1260			30		50		540	640	300	50		10		20	4	2	4		--977
5	2	60	3020	30		200		200		1760	830	90	30	50	10				2			--963
5	16	60	2270	30		70		200		1220	750	240	150			10	10			2		7-963
6	6	60	2910		50	320		170		1050	1320	240	220	70			10	2	2			3-967
6	20	60	210					30		90	90											-----
7	4	60	3380		30	300		190	70	2210	580	770	110	150	20	10	10		1			489--
7	18	60	200					70	30	30	70	70	50	30		10	20			2		-----
8	15	60	930			240		90	110	340	150	430	70	20			10					--9--
9	6	60	1530			160		380		830	160	380	140	290	10	10	20					--9--
9	19	60	1080		30	70		50	110	440	380	110	250	220		10						--9--

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: SOUTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	890	70	30	190		70		370	160	140	30						2			--9--
10	19	59	1070	50		230		100		570	120	50	50	350								4----
11	16	59	170						30	110	30	30	50	90								-----
12	21	59	3300						30	3040	230	70	30									4--7-
1	11	60	1090			50				780	260	30	30									34---
1	25	60	750			30			30	390	300											34---
2	1	60	1160			30				510	620	30							4			349--
2	15	60	1780					30	30	420	1300				10	30	20					3-9--
3	1	60	1580	30		50			30	350	1120			30				4	4			34---
3	21	60	350	20		20			30	40	240		30			10						3----
4	11	60	280			50		50	50	30	100		30									-----
4	25	60	800					70	30	350	350		30	50	10		10					--9--
5	2	60	1450			70		90		730	560	300	50	30	10				4			--94-
5	16	60	550					90	70	130	260	70	90		10			2	2			-----
6	6	60	700			30		90		90	490	110						2	2			3----
6	20	60	630		30	50		90		200	260	170	200	90		10	10	6	4			--9--
7	5	60	10950	30	130	510		540	130	7440	2170	1490	3220	370	10	30	30				1	35963
7	25	60	2020	90	30	220		750	110	600	220	1020	340	150				8	2			8-93-
8	15	60	1250			170		90	110	680	200	1810	980	300	20		10	1				--9--
9	6	60	200			30			70	30	70	110		90	10			1				-----
9	19	60	7000			250		290	30	4360	2070	250	990	330	10		10		1			-2943

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	6	59	190	30		50					110	30	50		30				2			------
11	4	59	120							50	70		50						2			------
12	2	59	60	30						30				30			10		4			------
1	7	60	60			30					30											------
1	20	60											50									------
2	3	60	30								30											------
2	17	60																		4		------
3	2	60	60								60		30									------
3	23	60	270			20	20				230	30	90	80					2			------
4	20	60	480	30				50	30	140	230	50	70								2	------
5	4	60	260							130	130	90	30									------
6	1	60	340								340		150									------
6	6	60	290							50	240		70	50				4	4			3-----
6	22	60	440						30		410		30	30		10		2	6			------
7	6	60	370			70		30		200	70	150	220	1130					1			------
8	3	60	80							30	50		10	70								------
8	17	60	270							50	220	70	260									------
9	7	60	120							50	70		30									------
9	19	60	740	400						30	310		200	90								------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE			ALGAE (*Number per ml.*)										INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Explanation for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS						PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE		CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	14	59	1560		30	120		30		260	1120		50	460		10							7-943
11	4	59	2410	30		30		30	30	440	1850		30	390	210					2			-59-6
12	9	59	640			30				90	520			110	50								3--7-
1	13	60	270	30						30	210		30	50	70					4			-----
1	27	60	50								50			30									7--43
5	4	60	1270					110		220	940		30	170									3-9--
5	16	60	680			170		50		260	200		470	340	30	10		10	2		2		--9-6
5	30	60	2550			540		110		320	1580		300	370	110		10	10					7-743
6	13	60	2300			70		50		240	1940		50	1750	150	10	10	30					-----
6	27	60	920		50	220		30		150	470		30	750	170			10					--9-6
7	11	60	1340			220		30		340	750		340	470	50		10						---66
7	25	60	1420			240				110	1070		300	410	110								--946
8	8	60	1880			240		130	30	390	1090		70	320	70	10							7-946
8	22	60	3820			160		30	30	760	2840		290	920	70								74966
9	12	60	2320	50	30	70		30		1180	960		290	160	90	10		10					48974
9	26	60	4570	160	580	430		110		1180	2110		470	690	380								

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	230			90				50	90	130	30	50	10		20		8			------
10	19	59	610	160	50	70		160	90	50	30	120	50	470		30	20	2				------
10	26	59	310	160						100	50	70	30						2			--3---
11	16	59	90							90		30										------
12	1	59	4630			780		200	30	3420	200	1040	110	70		10						48-27
12	8	59	4770	50	50	180		50		3570	870	1630	960	370								-4-77
12	21	59	2630	30	50	220		70		1500	760	870	520	110								-4-77
1	11	60	1990			50				1020	920	460	310	70				2				-4-77
1	25	60	1670					30	30	850	760	760	990	100	10		30					45-77
2	15	60	1060			70				350	640	280	280	30							2	4---7-
3	1	60												30								------
3	8	60	470					30		200	240		110	30				2		2		----7
4	5	60	680			30			30	140	480	140	30	50								---7-
4	19	60	2100	30		30		140		1350	550	440	50		10					2		-5977
5	2	60	740			70				540	130	110	30									--9---
5	16	60	1240			30		50		750	410	410	110		10							--9---
5	31	60	1190			170		30	50	830	110	110	320	70	10				2			--9---
6	20	60	880		30	90		30		600	130	510	150	280		10	20			2		----7
7	5	60	320			70		30		130	90	90	150	70	10	10	10					------
7	25	60	100							50	50	70	30	240		10	20					------
8	1	60	80					30		50			30	110		20	20					------
8	15	60	190			50				110	30	70	30	200		10	10					------
8	29	60	690			110			60	490	30	230	120	270			10					4-9---
9	19	60	710		30	140		50	110	270	110	140	70	220		10	10					------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: INDIANA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT EVANSVILLE, INDIANA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & BREATHED BACTERIA	PROTOZOA				ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Unpigmented)	CILIATES						
1	7	60	1150			50				610	490	370	400	90									
1	20	60	2120		50	30				820	1220	200	370	260									-4-77
2	2	60	820		30	50				320	420	190	350										-4-77
2	15	60	140			30		30		50	30		70									2	---77
3	1	60	710			30				110	570		70	130									-----
3	14	60	540	30				30	30	100	350		50	30									---7-
4	4	60	1110			70		70		260	710	160	140										---7-
5	2	60	550			50				200	300	130	30				10		2		4		-5-77
5	16	60	2080			170		30		920	960	430	280		10								--9--
5	23	60	1040			130		30		490	390	410	750				10				2		3-977
5	31	60	1440	30	50	240		110	70	660	280	450	580		10								----7
6	6	60	1430			90		90	110	750	390	240		220									7-9--
6	20	60	8640		70	260		150		7650	510	3850	560	110			10		2		2		--9-7
7	5	60	560		30	50		30		300	150	200	280	320	10	10	10		1				--977
7	25	60	1040			90		110		750	90	410		90	10		10		1	1			----7
8	1	60	3800	30		190		50		3140	390	220	70		20	20	10		2				----7
8	15	60	3340	260	150	410		110	30	2250	130	340	150	110	20		20		3	1			---77
9	19	60	4490	200	30	1350		580	560	1630	140	340	30	30			10		9	1			--3-7
																							-8-37

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & COLORLESS BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	7	59	11400	610	3870	1630		220	50	3650	1370	2890	890	630	10	10	10	2	6			46377
10	21	59	4410	560	520	700		1280	90	830	430	700	140	250	60	50	30	2			2	46337
11	18	59	1190	70		240		70		700	110	370	90	50			20					----7
12	2	59	3160			70		50	70	1930	1040	1060	780	200								-4977
12	23	59	1700		90	110				810	690	90	570	180								7-767
1	6	60	790			50				390	350	110	160	90								----7
1	20	60	1630			70				780	780	350	510	100								74767
2	3	60	230							160	70	100		30								-----
2	17	60	2130							350	1780	50	90	90								-4-77
3	2	60	390						30	90	270		30	90								-----
3	16	60	220	20					20	40	140	40	40	120								-----
4	6	60	3110		50	30		50		580	2400	390	640	120		10						75747
4	20	60	900					70		280	550	160	160	30	10		10					-577-
5	4	60	850	30		220		90	90	180	240	720	260			10				4		--9--
5	18	60	820			90	30	30		130	540		150	30	10		10			2		---7-
6	8	60	5240	90	170	870		150	130	2670	1260	50	450	110		10		4	2			-4977
6	22	60	4720	50		2250		300	30	1000	1090	620	430	50			10	2		2		48925
7	6	60	400		30	30		50		90	200	90	240	90								-----
7	20	60	3020	50		680		300	50	1510	430	1000	50	50		20	10	3	5			72-27
8	3	60	1260	110	90	390		130	130	200	210	340	170	70		20		14	11			-----
8	17	60	1170	30	50	200		70	200	510	110	240	150	150	10		20	1	1			----7
9	7	60	4060	230	2760	290		50	140	540	50	70	120	70	10		20	2	6			----7
9	21	60	3220	30	760	310		30	80	1690	320	140	220	50		10	10	7	1			26--7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE WEST VIRGINIA
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			ALGAE (Number per ml)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	1800	320	230	550		30		530	140	480	50					30		10		483-7
10	19	59	5390	850	100	1760		140	120	1780	640	530	160	50		20	10			2		48377
11	2	59	7520	260		2040		50		4800	370	1120	210					2				48377
11	16	59	570			50		30	30	330	130	260	70	30								-----
12	7	59	1150			70		30		570	480	260	180	130			10					---77
12	21	59	1410			50				370	990	140	320	140								4--77
1	4	60	700							260	440	140	120	230							2	---77
1	18	60	1540			30		70		610	830	310	440									-4777
2	2	60	280					30		50	200			30								-----
2	15	60	1610							460	1150	230	420	120	10		20					4-777
3	1	60	650						30	160	460		90	170						2		-----
3	21	60	170						20	30	120	20	50	100								-----
4	4	60	4240			100				550	3590	280	870	70					2			75747
4	18	60	490			50				160	280	30	70		10		10	2				-----
5	2	60	1150			90		50	90	280	640	130	50	30	10		10	2		2	2	3-9--
5	16	60	1530			50				410	1070	90	540									--97-
6	6	60	7720	50	110	1020		390	340	2590	3220	940	240	30	10	10	10	2		2		48967
6	20	60	1350	70		640				470	170	260	340	50	10	10	10	4		2		-8--5
7	5	60	1820	50	50	320		270	110	680	340	1000	110	30	10	10		3				4-9-7
7	18	60	5780	150		750		620	150	3360	750	1300	260	50	10	20	10	14	3			74937
8	1	60	2760	30	30	240		220	130	1490	620	490	130	70			20	15	2			74967
8	15	60	1620	30		260		70		920	340	130	110		10		10	1	2			----7
9	6	60	1270		30	70		90	30	690	360	180	140	30	10			6	3			---77
9	19	60	1790	70	30	640		200	90	510	250	800	120	50			10	9	2			-8137

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EAST LIVERPOOL, OHIO

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & SHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
10	6	59	2550	30	30	1780		90	30	390	200	180	160	110		10	20	20				48923
10	19	59	2380	120	370	850		280		620	140	70	50	260	60	10	60	2				46-2-
11	4	59	1000		50	480				160	310	110	480	220			10					7--2-
11	19	59	260			30				70	160				10							------
12	1	59	2850	30		310		70	30	570	1840	130	940	420	100					4		-477-
12	22	59	290		30			30		50	180	30										------
1	6	60	210								210		160	50								---7-
1	26	60										30	30									------
2	2	60																				------
2	17	60	380						30	110	240			50								------
3	1	60	80						30	50				70	10	10	10					------
3	23	60	220		20				20	20	160	30	40	50								------
4	4	60	990							50	940	120	300	50			10					--77-
4	19	60																				------
5	2	60	2710			160		350	350	1110	740	50	160	90	10							45977
5	28	60	1030			320		30	170	170	340		170			10						------
6	6	60	640			90		150	90	90	220	70	240	110		10			2		2	------
6	20	60	860			170		30	70	200	390	70	300				20	2				------
7	6	60	1190	30		560		130	70	200	200	90	110	50				3				-8---
7	19	60	710		30	300		30	110	90	150	50	110		10	10	20	30				------
8	1	60	560	20		220		70	110	50	90	30	130					28	1			------
8	21	60	300	30		70		50	30	70	50	50	140	50	10			7	3	1		------
8	31	60	300	30		70		50	30	70	50	50	130	30		10		7	3	1		------
9	6	60	2940	160		670		430	560	650	470	250	160	120			20	8	7			48-31
9	19	60	300	30		70			50	50	50		50	30				1				------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Table for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	RADIOLARIA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	2960	50	30	2320				420	140	440	720	220	10			6	2			-8--7
11	2	59	170			30					140	70	160	30								------
12	2	59	470			50				90	330	70	390	90			20				2	------
1	12	60	240			30				30	180			30								------
2	1	60	50								50	30	30									------
2	15	60	1150						30	140	980	100	480	50	30					2		--77-
3	6	60	90								90							2		2		------
3	21	60	1250					30		30	1190		350				30					-5-7-
4	4	60	1590			30					1560	30	260									7-753
4	18	60	1660	30		100		190	100	370	870		230			10				2		--777
5	2	60	28980	50		440		1000	180	25960	1350	1170	140									78963
5	16	60	270							30	240		150		10		20					------
6	6	60	620			30		30		50	510		30	30	10							------
6	20	60	320			30				50	240	30	510		10		30					------
7	5	60	5920	240		1410		340	240	3220	470	1640	320	90		10	10	1				-8931
7	18	60	1110	70		260		130	90	320	240	260	300					1				-89--
8	1	60	2510	220		940		30	30	880	410	340	220			10	10	1				489--
8	15	60	540			130		30	50	240	90	70	50	50	20	10	10					4-----
9	5	60	4450	340		2110		140	30	1630	200	690	120	30			10			1		48922
9	19	60	490			90				200	200	250	30	200			20					------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	270			70				110	90	70	270	50				2				---
11	2	59	190			30				30	130		50	50								-----
12	1	59	740		70			30		70	570	30	230	120								7----
1	18	60	1010							70	940		570	70								7--5-
2	15	60	400							30	370		50	50		10					2	-----
2	29	60	70								70											-----
3	21	60	480			30				20	430		190	60								---7-
4	4	60	1880							70	1810		760	30		10		2				7-75-
4	18	60	1020			30		160	70		760	50	70	30								---7-
5	2	60	480			30		50		370	30	50	50					2				--9--
5	16	60	200							110	90		150									-----
6	6	60	470								470		220	30								-----
6	20	60	550			110			50	110	280	170	450	110			10					-----
7	5	60	430	130		70		70		90	70	30	130	130			10					-----
8	1	60	60			30					30		30					1				-----
8	15	60	190			70				30	90	30	120		10	10	10	1				-----
9	6	60																				-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE NORTH DAKOTA
MAJOR BASIN UPPER MISSISSIPPI
SUB BASIN RED RIVER OF THE NORTH
STATION LOCATION RED RIVER AT
GRAND FORKS, NORTH DAKOTA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
9	8	60	1660			70		50	510	470	560	180		30	10			2				--9-7

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT ALEXANDRIA, LOUISIANA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & SHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		BARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
10	19	59	130		30					70	30		50					2				-----
11	2	59	3250	70	70	440		230	30	670	1740	70	510					2	2			74833
12	8	59	7650	350		370		2250	160	4260	260	180	90			10	10	10				-4-37
1	18	60	100		30						70	30	50	160								-----
2	8	60	240					50		120	70	30	120									-----
2	15	60	100							30	70	30	50	90								-----
3	14	60	180	20	20			20	20	60	40	30	40									-----
4	11	60	420			50		40		80	250	30	50	50								---7-
5	2	60	3340	130		920	30	340		960	960	1280	130				10		2	2		--83-
5	9	60	1060	170	70	170		30		340	280	540	150									--9--
5	23	60	360			50		50		170	90	70	150	30	10							-----
6	13	60	570	30		70		150		150	170	110	50	260	10		10					-----
6	20	60	5810	150		470		240		2940	2010	980	340	200	10							-4963
8	8	60	680	30		150		50		280	170	110	200	370		20	10					4-----
9	12	60	6180	510	400	2070		220	50	750	2180	420	250	330	10		10	2				48823
9	26	60	14720	2200	910	1400		140	90	2560	7420	920	1030	200			10	79			1	78963

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT

INDEX, ARKANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Explanation for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	6	59	8620	640	390	2810		230		1560	2990	370	960				20	4				
11	3	59	3560	590	30	1320		30	390	740	460	800	520	130								74822
12	1	59	10160	670		500		7890	50	500	550	50	90	50	10	30		2	2			43822
1	4	60	110		50			30			30		70	90								48337
1	18	60	370		50	30	30	50		90	120		140	250								------
2	1	60	260					130			130	30		90								------
2	15	60	320		70			50		70	130	70		110								------
3	1	60	360			70		30		120	140		30	30								------
3	14	60	740	50	30	190		70		50	350		120									------
4	4	60	1000	100		230	30	100	30	50	460	30	320			10		2		6		---7-
4	18	60	3390	100	30	870		160	30	870	1330	320	190							2		7-----
5	2	60	7990	1430	50	1240		230		3190	1850	810	70		10		10		2	2		7-963
5	16	60	430			110		50		70	200	30	110	30	10	20	10		2			------
6	6	60	3580	260		1360		240	30	1070	620	810	390	340	10	10	10					-8922
6	20	60	3940	90		700		1150	50	900	1050	430	410	150		10	10	2				8896-
7	5	60	3400	390	90	1340		150		410	1020	300	170	50		20	20	1				-8862
7	19	60	3680	240	50	1040		300		710	1340	1620	450	90		10	20	1				-1867
7	31	60	1650	70	30	340		70		240	900	200	390	320			30					48--3
8	15	60	2430	150	110	410		70		280	1410	240	730	130			10	1				74-63
9	6	60	3160	250		490		140	50	520	1710	580	630	120			10	7				48863
9	19	60	2910	490	70	1020		50		440	840	270	200	50			20	2				488-3

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE TEXAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT DENISON, TEXAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
11	2	59	3080	200		420		200		570	1690	200	200	130		50						-4833
10	5	59	1800	210		1190				210	190	70	160				10		4			4-8--
12	7	59	1710	30		130		370		310	870	130	130					2				--9-3
1	4	60	1440	70	30	70				440	830	100	100	70								4---3
1	18	60	60							30	30		30									-----
2	1	60	50								50		30	30								-----
2	15	60	120			30		30		30	30						10					-----
3	1	60	210	40	20	40		20		60	30	20							4			-----
3	28	60	370	230	20	40		40		20	20											--3--
4	5	60	640	100	30	260	30	50		50	120							2	12		2	--8--
4	19	60	960	70		640	30	30		120	70											-----
5	2	60	1480	160		1100		120	70		30		120	2230		20	20		4			--8--
5	16	60	210	50		30					130		130		10	170	20	2	4			-----
6	6	60	120							90	30	30	30						2			-----
6	20	60	80							30	50		50	30								-----
7	6	60	210			90			30		90						10		1			-----
7	25	60												30			10					-----
8	1	60	160							30	130	30	50	90			10					-----
8	15	60	210					30	30	30	120		120	30								-----
9	6	60	230	30				50	30	70	50	30	30	30			20					-----
9	19	60	220			30			30		160	50		30								-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: LOWER RIO GRANDE BELOW PECOS RIVER
STATION LOCATION: RIO GRANDE BELOW BROWNSVILLE, TEXAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
11	13	59	17750	870	50	440		230		320	15840	50	300					2				48372
12	18	59	4070	440		2200		120		420	890	10	70	70			120					48875
1	15	60	2760	130	30	740		160		590	1110	30	70					4				48-73
2	5	60	1020	30		370		70		160	390	50	190									4-87-
3	11	60	1050			390		120	120	120	300	30	50		10							7--2-
4	8	60	4330	320		890		50	30	140	2900	50	280								2	-8872
5	6	60	2740	70		340		30		130	2170	30	30									--766
5	20	60	3900	510		1050		170		510	1660	130	260	30		10	10					-496-
6	10	60	4810	200	70	940		240	30	280	3050	30	170	90		20	10					--763
6	24	60	440			90		30	30	30	260		10	200								-----
7	8	60	7230	770		1170		940		150	4200	410	340	150	20	30	10	3				78736
7	22	60	6210	240	70	430		110		340	5020	70	580	200			10	1				--966
8	5	60	2280	90		150	30	110		70	1830		410	70		10		5		1		---7-
8	19	60	260			90		50			120	90	450									-----
9	16	60	5000	70	30	580		550	30	880	2860	200	220	140	10		10					48763

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN LOWER RIO GRANDE BELOW PECOS RIVER

STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Identification for Interpretation*)
			TOTAL ALGAE	BLUE-GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS				FUNGI & SHEATHED BACTERIA	PROTOZOA				ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES						
10	6	59	140							90	50	30	70	50									-----
11	3	59	4950	30		640				620	3660		350										4--75
12	1	59	920			90		30	30	70	700	40	220	30			10						--77-
1	12	60	900			30	30	120		50	670		460										---7-
2	2	60	1570			120				390	1060	120	760										4-77-
2	16	60	2810			120		30		1170	1490	190	890	50	10		40				2		4-973
3	1	60	2100			50				1350	700	30	200		10		40						--97-
3	22	60	1020			140				620	260	190	160										-4---
4	6	60	6050			1080		30	140	320	4480	30	1470				10						74-2-
4	20	60	4000			830		120	30	480	2540	50	260	30									78723
5	3	60	1010		30	140		30		270	540		250	80	10	20	10						-----
5	18	60	370	30		30				50	260		150	50			10						-----
6	7	60	460			30		30		30	370	90	110	90									--7--
6	21	60	2210	110		530		50		220	1300	130	450	130									78763
7	5	60	510			30				50	430	30	90	130			10						-----
8	2	60																					-----
8	17	60	130			50				50	30		140	30			10						-----
9	7	60	120		30	30				30	30	90	30										-----
9	27	60	990			160		180		490	160		30									1	--9--

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: UPPER RIO GRANDE ABOVE PECOS RIVER
STATION LOCATION: RIO GRANDE RIVER AT EL PASO, TEXAS

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	2820			50		50		290	2430	290	2130	200						2		74-63
5	31	60	3690			150		70		2400	1070	410	580	150			10					--973
6	21	60	2220	110		540		50		220	1300	130	450	130								78763
7	5	60	1110		50	30		490		370	170	170	620	200		30	10					--933
8	1	60	500					110		220	170	90	200	200								--9--
9	6	60	16390	70		360		3070		10600	2290	740	670	450								4-93-
9	19	60	2090	110		110		470		230	1170	270	640	160		20						84763

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN SABINE RIVER

STATION LOCATION SABINE RIVER NEAR RULIFF, TEXAS

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
5	25	60	6520	90		1110		150		5000	170	4480	220		10	10	10					489-7
7	25	60	500			50		50		430	70	320	30	220			10					4---7
8	16	60	200					30	30	70	70	70	90	110	10			1				-----
9	7	60										50	70									-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	150			50		30		70		50	90	240			10	10			10	------
11	2	59	30							30				30			10	2				------
12	7	59	340	30		100		50	30	30	100	30	30	30								------
1	12	60	140							110	30											------
2	1	60	30							30												------
2	15	60	230			30		100			100		50	50								------
3	7	60	100		20		20	40	20					50								------
3	21	60	680				30			50	600	30	320									7-----
4	4	60	320	20		40		70		60	130	20	90	30								------
4	18	60	590			210		50	30	230	70	50	70	30						2		------
5	2	60	270		30	30		70	50	90							10		2			------
5	16	60	250			30				150	70		70		20							------
6	6	60	1960	50		130		50		1560	170	110	150	30	10			2				-----7
6	20	60	1190			30		70	110	830	150	170		90		20						--9-7
7	5	60	920		50	130		90		540	110	200	90	30		10	20			1		-----7
7	18	60	310	30				30	50	200		70	70	150	10	10		2				----7
8	1	60	190	30	30			30	50	50			30	110		10						------
8	15	60	310			90			110	110		70	90	70								------
9	6	60	200			70			50	50	30	50	50	30								------
9	19	60	260			30		70		90	70	30		30			10					------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE SOUTH CAROLINA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (*No. per 100 ml.*)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	160	30		50				30	50	50	50	30								-----
11	2	59	210			50				50	110		50	30		10	10	2				-----
12	1	59	190			70		30		90		70	30									-----
1	18	60	670							210	460	120	120	190								4--7-
8	2	60	50								50	50	50				20					-----
9	7	60												50								-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION SCHUYLKILL RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (*Number per ml.*)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (*See Introduction for Interpretation*)
				BLUE GREEN		GREEN		FLAGELLATES (*Pigmented*)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & COLORLESS BACTERIA	SARCODINA	FLAGELLATES (*Unpigmented*)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
1	18	60	250					50	30	50	120	30	190									-----
2	1	60	200					30		30	140	30	140	70								-----
2	16	60	650						50	120	480	30	70							8		---7-
3	7	60	180					20		60	100			80								-----
4	4	60	5860			90		120	30	290	5330	50	380	50			30					75-43
4	18	60	2770							810	1960	90	240									7-763
5	2	60	750							240	510	30	110		10		10			4		---6-
6	6	60	1020			50			50	150	770		1000			10	10		2			7--6-
7	5	60	600			90		130	30	130	220	200	710	200		10	10	4				-----
8	1	60	1160		30	480		110		150	390	170	1070	320				2				-8---
9	6	60	1560			230		140		560	630	70	850	30			10					4896-

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	12	59	1120	30	30	70				70	920	50	210			10						---7-
11	9	59	160							70	90	30	90									-----
12	7	59	330							30	300	70	100	70			20	2				---7-
1	11	60	310							50	260	30	50									-----
2	8	60	1270					50		160	1060	160	920	50								4--7-
3	7	60	750					30		110	610	30	50									--7--
3	28	60	2000					30		160	1810	140	920	160			30		2			-577-
4	18	60	980			30			30	280	640	100	350	50				2				--973
5	9	60	1180			30		50		710	390	90	430									--9--
5	23	60	1770			30			30	1450	260	260	200					2			2	--9--
6	13	60	140							30	110	50	330									-----
6	27	60	150							90	70	50	110									-----
7	5	60	400					90		70	240		280	30			10					-----
7	25	60	1770		30	70		90	50	510	1020	70	900	90								4-963
8	8	60	2480	50	30	50		640		980	730	220	790	50								---3-
8	22	60	1150		70	160		290		200	430	30	690	180		10						---37
9	12	60	1250			50		110	70	110	910	30	690			10	10					--76-
9	26	60	660			30				50	580		380		10							-----

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE IDAHO

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN CENTRAL SNAKE RIVER

STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				FUNGI & SHEATHED BACTERIA	PROTOZOA			ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE		SARCODINA	FLAGELLATES (Unpigmented)	CILIATES					
11	16	59	1610			110				590	910	650	460	130								-478-
12	7	59	6930		130	160		90		5380	1170	1300	620	180		50						3477-
1	25	60	4360	30				30		2990	1310	2380	890	230		30		2				45-7-
2	23	60	4330					30		2880	1420	960	600	800								4-77-
4	12	60	8330	30		100		490		3770	3950	1880	1150	120								7-963
5	2	60	6730					150	30	4170	2380	340	430		10	10			2			7-963
5	31	60	8350		30	30		110	90	6410	1680	1110	1530	70								--963
6	13	60	3420	70		240		50	50	2090	920	1700	2040	90		10		1				7-9-6
6	28	60	4270			110		90	30	1980	2060	370	1260			20		1				7-966
7	11	60	3380	70		260		150	30	1970	900	540	710	30	10			3				4-977
7	25	60	6800	70	50	620		430	200	3850	1580	1530	2100	130				2				7-936
8	23	60	16010	120	50	600		320	490	13090	1340	1200	2310	70				2				74931
8	29	60	6430	70	30	800		140	320	3940	1130	1250	1800	200	10		10	4				74927
9	12	60	3120	50		270		250	70	1230	1250	470	1340	50	10			2				74937
9	26	60	4490	30	70	140		180	30	2230	1810	90	1380	30								--97-

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER BASIN

STATION LOCATION SUSQUEHANNA RIVER AT CONOWINGO, MARYLAND

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See introduction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
5	6	60	3420			240		240	170	1410	1360	410	150		20	20			2			74966
6	27	60	2190	110		490		170	200	920	300	260	490	90			10	4			2	489-1
8	3	60	520			70		50	70	280	50	70						10	4			----7
9	7	60	280			30			70		180	30	160				20	1				------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN SUSQUEHANNA RIVER-NORTH BRANCH

STATION LOCATION SUSQUEHANNA RIVER AT SAYRE, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
			TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
5	3	60	1270					90		470	710	50	90									-596-
6	6	60	420			30				320	70	70	980	30				2				--9--
6	27	60	670			30		50		200	390		130	30		20						-----
7	5	60	5080	50		280		300	320	3510	620	560	390	110		10	10					--931
8	1	60	8420	850		3850		2330	70	1170	150	2340	340	130			10	5				48333
9	12	60	4390	290		1430		1020	250	770	630	1070	720			20						48-31

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE			ALGAE (Number per ml.)								INERT DIATOM SHELLS		OTHER MICROPLANKTON					MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS				PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & BREATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	14	59	480	100		100		70		70	140	30	50									------
11	18	59	750	30		70		70	70	390	120	70	30	100			20	4	2			----7
12	16	59	280					30	50	100	100	70	30	30								------
1	13	60	120							70	50	30	50					2				------
1	20	60	200	30						70	100	50	70									------
2	2	60	210			30				50	130							2				------
2	17	60	340					30	50	260		70	30									4-----
3	2	60	170					20		100	50			20						2		------
4	6	60	860			30			30	370	390	70			20							3-9---
4	20	60	550		30			30		710	120	230	50		10			2	2			--9-7
5	4	60	170						50	70	50		30						4			------
5	18	60	190					50		90	50					10						------
6	8	60	770			70		50	70	410	170	110	200	50			20	2			2	-4--6
6	22	60	360			70			70	130	90	110	150	50	10	10		8	2			------
7	6	60	650	50	50	70		70		260	150	170		50	10	20	10					------
7	20	60	310			30		30	150	30	70		30	50	10		20	1				------
8	3	60	1040			30		60	110	280	560	30	220	150	10	10	20					-----3
8	17	60	280							110	170	110	70	30	20							------
9	7	60	350			30		70	30	110	110	90	70		10			1				------
9	21	60	420		30	70		50		160	110	90	70					1		1		------

WATER QUALITY BASIC DATA

PLANKTON POPULATION

NUMBER PER MILLILITER, EXCEPT MACROPLANKTON

STATE MONTANA
MAJOR BASIN MISSOURI RIVER
SUB BASIN YELLOWSTONE RIVER
STATION LOCATION YELLOWSTONE RIVER NEAR SIDNEY, MONTANA

DATE OF SAMPLE			ALGAE (Number per ml.)									INERT DIATOM SHELLS		OTHER MICROPLANKTON				MACROPLANKTON (per 100 ml.)				DOMINANT ORGANISMS (See Appendix for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS					PROTOZOA							
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	FUNGI & SHEATHED BACTERIA	SARCODINA	FLAGELLATES (Unpigmented)	CILIATES	ROTIFERS	CRUSTACEA	NEMATODES	OTHER ANIMAL FORMS	
10	5	59	7280	160	70	460		70		2130	4390	300	1970					2			2	4-775
11	2	59	1830			90				180	1560	130	1800	30	20			4		2		--77-
12	1	59	700			50		30		130	490			160								---7-
1	18	60	180			30			30	50	70		70									------
2	1	60	330							100	230		210									------
2	15	60	260					50			210	50	300									------
3	7	60	80							20	60	30	50	30								------
3	21	60	260			20				20	220		80	30								------
4	5	60	1740				30	30	30	50	1600		460	50			10					7-743
4	18	60	8290			30		140	30	3680	4410	50	390									7-943
5	2	60	1480					70		390	1020	50	640			10						7-963
5	16	60	1890			130		70		600	1090	30	30	50	10			2				-49-6
6	6	60	6520			620		110		540	5250	70	5050	110						4		7-746
6	20	60	880								880		490									--76-
7	4	60	4580	30		1280		90		2130	1050	640	1320	260			20					48966
7	18	60	1870	30		580				130	1130	370	620	70								78726
8	1	60	3070			280		70		110	2610	90	340				20					--76-
8	15	60	20520	1450		8640		560	50	4760	5060	2420	2180	200	10		10	1				48765
9	12	60	1820	50	50	310			50	310	1050	50	320	30	10		10					7-765
9	26	60	3830		30	290				690	2820	50	600		10		10					74763

ORGANIC CHEMICALS

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW MEXICO

MAJOR BASIN COLORADO RIVER

SUB BASIN SAN JUAN RIVER

STATION LOCATION ANIMAS RIVER AT CEDAR HILL, NEW MEXICO

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	3	60	2	23	2730	113	66	47	2	10	36	5	3	27	1	7	5	1	5
3	29	60	4	20	3826	82	16	66	0	2	10	2	1	7	0	1	1	1	1
5	2	60	5	13	5564	75	25	50	1	4	10	2	1	7	0	3	1	0	6
6	8	60	6	20	1800	215	70	145	1	18	18	3	2	13	0	8	5	1	19
8	6	60	8	15	5470	112	26	86	3	6	10	1	1	8	0	3	2	1	1
9	6	60	9	19	8710	75	13	62	0	2	7	1	1	5	0	1	1	0	2

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PHS-2849-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN APALACHICOLA RIVER

STATION LOCATION APALACHICOLA RIVER AT CHATTAHOOCHEE, FLORIDA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	11	60	3	28	5010	127	40	87	1	9	16	3	3	10	0	5	2	1	6
4	12	60	5	6	5020	154	45	109	1	10	16	1	1	13	1	5	2	1	10
7	12	60	8	10	9950	139	62	77	4	11	18	1	1	15	1	8	6	1	14
8	18	60	9	2	5050	255	120	127	6	25	26	1	1	22	2	17	17	1	26
9	26	60	10	10	1940	500	109	391	8	27	31	4	2	23	2	12	7	2	22

PHS-2548-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	1	66	4	29	4000	102	35	157	1	0	19	3	2	14	0	3	1	0	3
5	20	66	6	8	1999	335	69	330	1	16	23	4	2	17	0	7	4	1	13

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN CHATTAHOOCHEE RIVER

STATION LOCATION CHATTAHOOCHEE RIVER AT COLUMBUS, GEORGIA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	2	59	11	10	3787	321	82	229	2	17	27	2	2	21	2	11	7	2	15
12	7	59	12	16	3535	229	62	177	4	12	23	2	2	19	1	6	4	1	12
1	4	60	1	12	9455	285	116	169	12	22	23	2	2	15	0	8	13	2	26
2	1	60	2	9	2915	265	110	155	2	31	32	5	3	22	2	12	9	2	22
3	7	60	3	16	4024	165	82	83	0	21	20	4	2	14	0	8	7	1	17
4	4	60	4	13	4113	193	94	104	7	23	21	3	1	16	1	11	10	1	21
5	2	60	5	11	3050	230	98	132	7	23	23	3	1	19	0	10	12	1	22
6	6	60	6	17	4640	212	101	111	5	29	25	3	2	20	0	11	15	2	20
7	5	60	7	15	3267	248	137	111	3	36	34	4	2	26	2	16	19	3	26
8	4	60	8	11	3000	284	135	149	5	35	34	5	3	23	3	12	19	1	29
9	6	60	9	14	2801	190	55	135	2	13	18	3	2	13	0	7	5	1	9

PHS-2045-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN CHATTAHOOCHEE RIVER

STATION LOCATION CHATTAHOOCHEE RIVER AT ATLANTA, GEORGIA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
5	9	60	5	25	5270	227	102	125	11	25	24	3	2	18	1	11	10	2	19
6	16	60	7	5	5290	164	86	78	3	24	15	1	1	13	0	9	9	1	20
7	13	60	8	8	5240	206	72	134	6	17	19	2	1	14	2	9	9	1	15
8	22	60	9	6	5030	159	69	90	6	21	11	1	1	9	0	6	6	1	18
9	20	60	10	10	5130	203	72	131	7	22	18	2	1	14	1	7	8	1	15

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	59	10	13	5020	136	43	95	2	11	12	1	1	9	1	5	3	1	8
12	3	59	12	16	4880	199	39	160	2	9	14	1	1	11	1	4	2	1	7
1	3	60	1	15	4850	178	26	152	1	8	11	1	1	9	0	4	1	1	0
2	2	60	2	13	4350	197	23	174	0	5	9	1	1	7	0	3	2	1	3
3	6	60	3	14	4820	156	35	121	2	9	12	2	1	9	0	4	2	1	5
4	7	60	4	15	3480	177	39	133	1	11	11	1	1	8	1	4	3	1	8
5	4	60	5	12	3610	180	48	132	0	11	23	7	2	13	1	5	3	1	5
7	5	60	7	16	3000	184	52	132	2	13	17	3	1	13	0	8	2	1	9
8	1	60	8	12	6240	147	31	116	0	9	9	1	1	7	0	4	2	1	6
9	2	60	9	12	6460	140	22	118	1	6	8	1	0	6	1	2	1	1	3

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE CALIFORNIA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	25	59	11	2	5090	162	29	123	1	9	9	0	1	7	1	3	1	1	6
11	28	59	12	4	5640	98	30	60	1	8	8	0	0	7	1	3	1	1	6
12	26	59	1	3	5460	161	33	120	1	9	9	1	1	7	0	3	2	1	6
1	23	60	2	6	5110	228	55	173	2	12	17	1	1	14	1	6	5	1	10
3	3	60	3	11	5440	150	34	116	1	9	10	1	0	8	1	3	3	1	8
3	30	60	4	7	5960	143	43	100	2	12	11	1	0	9	1	3	3	1	11
4	21	60	4	27	5070	151	39	112	1	11	10	1	0	8	1	4	3	1	9
5	20	60	5	25	5300	164	56	108	4	17	11	1	1	9	0	6	5	1	12
6	19	60	7	1	5520	172	72	100	4	10	17	2	1	14	0	8	7	1	16
7	22	60	7	30	5440	193	42	146	1	13	16	2	1	12	0	6	5	1	6
8	20	60	8	28	5380	132	30	102	2	7	10	1	1	8	0	3	2	1	5
9	20	60	9	27	4930	186	64	122	3	10	15	2	1	12	0	6	6	1	14

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	28	59	11	16	5136	169	23	146	1	6	7	0	1	6	0	2	1	0	6
12	1	59	12	24	4918	212	25	187	2	5	8	0	1	6	1	3	1	1	5
1	8	60	2	5	5003	180	30	150	1	6	10	1	1	8	0	4	2	1	6
2	25	60	3	18	5154	184	67	117	5	19	11	1	0	9	1	5	9	1	17
4	11	60	5	2	5245	172	41	131	1	12	10	1	0	8	1	4	4	1	9
5	20	60	5	31	5270	169	53	116	4	15	11	1	1	9	0	5	3	1	14
6	14	60	6	24	5389	159	42	117	2	11	11	2	0	9	0	5	4	1	8
7	8	60	7	19	5507	188	57	131	2	17	11	0	1	9	1	5	7	1	14
8	3	60	8	13	5114	234	37	197	3	17	12	1	1	8	2	5	7	1	12
8	30	60	9	14	5341	191	63	128	5	16	11	1	1	9	0	5	8	1	15

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN MIDDLE COLORADO RIVER

STATION LOCATION COLORADO RIVER AT PAGE, ARIZONA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	30	59	12	8	5000	84	15	69	0	2	9	2	1	5	1	1	1	0	2
2	2	60	2	13	5050	108	33	75	0	3	23	10	4	8	1	3	1	1	2
3	7	60	3	27	3080	130	35	95	1	8	15	4	2	9	0	3	2	1	5
4	12	60	5	1	5739	109	50	59	1	12	15	2	1	11	1	5	4	1	12
6	6	60	6	16	5090	89	15	74	0	2	8	1	1	6	0	2	0	0	3
7	6	60	7	13	3770	93	32	61	1	7	13	3	2	8	0	4	2	1	4
8	3	60	8	13	5080	150	24	126	0	4	12	2	1	10	0	2	1	1	3
9	6	60	9	20	8890	114	19	95	0	3	10	1	1	8	0	2	1	1	2

PHS-2048-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT CLATSKANIE, OREGON

DATE OF SAMPLE BEGINNING MONTH	BEGINNING DAY	BEGINNING YEAR	END MONTH	END DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	EXTRACTABLES CHLOROFORM	EXTRACTABLES ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	CHLOROFORM EXTRACTABLES WATER SOLUBLES	CHLOROFORM EXTRACTABLES NEUTRALS TOTAL	NEUTRALS ALIPHATICS	NEUTRALS AROMATICS	NEUTRALS OXYGENATED COMPOUNDS	NEUTRALS LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	27	59	11	5	2020	195	35	160	1	6	18	2	2	13	1	4	1	1	4
12	1	59	12	9	2240	162	32	130	1	6	16	3	2	11	0	5	1	1	3
1	5	60	1	15	3350	158	37	121	6	8	17	3	2	11	1	10	3	1	12
2	2	60	2	10	2130	175	55	120	1	9	21	5	3	12	1	12	3	1	8
3	8	60	3	21	2130	217	56	121	4	16	29	5	3	14	1	10	6	1	26
4	5	60	4	15	2120	200	43	157	1	11	14	3	1	10	0	6	3	0	8
4	26	60	5	6	1460	220	81	139	1	22	25	4	2	17	2	11	6	2	14
5	31	60	6	13	2240	210	83	127	6	24	22	1	1	19	1	8	10	1	12
7	26	60	8	8	2000	214	88	126	3	19	22	3	2	16	1	26	7	1	10
8	30	60	9	9	2850	188	79	109	2	16	22	4	3	15	0	20	7	2	10

PHS-2643-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	19	59	11	2	3256	106	20	86	1	4	9	1	1	6	1	2	1	1	2
11	23	59	11	12	5296	92	20	72	1	4	7	1	1	5	0	3	1	0	4
1	4	60	1	18	5902	93	20	73	0	5	8	1	1	6	0	3	1	1	2
2	23	60	3	7	5408	86	25	61	1	7	8	1	1	5	1	3	2	1	3
4	4	60	4	18	6873	81	31	50	1	8	8	1	1	6	0	3	2	1	8
5	9	60	5	23	2897	57	12	45	0	3	7	2	1	4	0	1	1	0	2
7	11	60	7	25	4999	52	14	38	0	4	4	1	0	3	0	3	1	0	2
8	8	60	8	21	1595	249	72	177	2	19	24	2	3	18	1	14	5	1	9
9	12	60	10	10	9999*	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Flow too high (37,566 gallons). Results questionable. Data not reported.

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: WASHINGTON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	19	59	10	27	2900	121	18	103	1	6	7	1	1	5	0	1	1	0	2
11	25	59	12	3	3820	90	20	70	0	4	8	1	1	6	0	3	1	0	4
1	13	60	1	13	3700	120	24	96	1	7	8	2	1	5	0	2	1	1	4
2	3	60	2	9	1990	173	29	144	1	8	9	1	1	6	1	3	1	1	6
2	29	60	3	7	4120	93	20	63	1	7	5	1	0	4	0	2	1	0	4
3	29	60	4	5	3347	107	32	75	1	11	7	1	1	5	0	3	2	1	7
4	18	60	4	26	3120	102	31	71	1	10	8	1	1	6	0	3	2	1	6
5	10	60	5	17	2080	130	49	81	3	15	9	1	1	7	0	5	4	1	12
6	1	60	6	6	1060	228	66	162	3	22	16	3	2	11	0	8	5	1	11
6	20	60	6	28	1950	201	69	132	5	22	12	2	1	9	0	8	7	1	14
7	14	60	7	25	4260	103	26	77	1	8	8	1	1	5	0	5	0	0	4
8	9	60	8	17	1010	105	49	145	2	15	12	2	1	9	0	8	3	1	8
8	31	60	9	8	2430	186	60	126	5	16	13	1	1	10	1	7	5	1	13
9	23	60	10	5	6320	74	34	40	2	10	6	1	0	5	0	4	4	1	7

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER ABOVE YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	2	59	11	9	4820	64	17	47	1	4	9	3	1	4	1	2	0	0	1
12	1	59	12	7	4145	77	15	62	0	3	9	3	1	5	0	1	1	0	1
1	4	60	1	15	3679	92	22	70	1	6	9	3	1	5	0	2	1	1	2
2	2	60	2	8	3695	88	19	69	0	5	9	3	1	5	0	2	1	1	1
2	29	60	3	7	5155	58	12	46	0	3	6	2	1	3	0	1	1	0	1
4	4	60	4	11	4235	65	18	47	0	6	6	1	1	4	0	2	1	0	3
5	2	60	5	9	4220	94	32	62	1	9	9	2	1	6	0	3	2	1	7
6	6	60	6	13	4480	78	34	44	2	10	9	2	1	6	0	4	3	1	5
7	7	60	7	18	7920	49	17	32	1	5	5	1	1	3	0	2	1	0	3
8	8	60	8	15	4345	91	32	59	1	8	14	5	2	5	0	4	2	1	2
9	12	60	9	19	4045	-	-*	84	-	-	-	-	-	-	-	-	-	-	-

*Overheated. Results not accurate.

PHS-2560-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MASSACHUSETTS

MAJOR BASIN NORTHEAST

SUB BASIN CONNECTICUT RIVER

STATION LOCATION CONNECTICUT RIVER BELOW NORTHFIELD, MASSACHUSETTS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	30	59	11	9	4407	228	58	170	2	13	20	3	2	14	1	6	3	1	13

FWQ-5640-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	CHLOROFORM EXTRACTABLES NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	10	5400	142	36	106	2	7	15	3	2	9	1	4	3	1	4
12	14	59	12	19	5400	112	25	87	1	5	12	3	2	6	1	3	1	1	2
1	11	60	1	16	5410	79	21	58	1	3	12	4	2	6	0	2	1	0	2
2	2	60	2	9	5298	97	24	73	1	5	9	2	1	6	0	2	2	0	5
9	6	60	9	13	5680	197	62	135	4	14	16	1	1	13	1	7	9	1	11

PHS-2640-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-LEHIGH RIVERS

STATION LOCATION DELAWARE RIVER AT MARTINS CREEK, PENNSYLVANIA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	19	59	11	29	6144	81	25	56	2	6	8	1	1	6	0	2	1	1	4
12	15	59	12	24	5197	92	13	79	1	4	5	1	1	3	0	1	0	0	2
1	4	60	1	13	5736	79	21	58	3	5	5	1	1	3	0	2	1	0	5
2	1	60	2	10	6120	59	14	45	0	3	6	1	1	4	0	2	1	0	2

FHS-2848-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN PERDIDO-ESCAMBIA RIVER

STATION LOCATION ESCAMBIA RIVER AT CENTURY, FLORIDA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
8	10	60	8	29	4629	188	69	119	1	11	37	5	6	24	2	9	3	1	7

FHS-2869-A
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA RIVER

STATION LOCATION LAKE ERIE AT
BUFFALO, NEW YORK

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	12	3488	232	47	185	2	10	23	6	5	12	0	4	2	1	5
10	29	59	11	5	3540	191	42	149	2	12	15	2	2	10	1	3	2	1	7
11	24	59	12	1	4117	190	38	152	0	10	16	2	2	11	1	4	2	1	5
12	21	59	12	30	6532	139	25	114	2	6	8	1	1	6	0	3	2	1	3
1	25	60	2	3	4822	175	39	136	2	9	14	2	1	10	1	4	2	1	7
2	23	60	3	2	4455	179	55	124	4	16	13	1	1	10	1	6	5	1	10
3	24	60	4	1	4470	163	49	114	2	15	12	1	1	10	0	5	4	1	10
4	12	60	4	20	4920	133	39	94	2	11	10	1	0	8	1	4	3	0	9
5	2	60	5	11	4650	160	54	106	3	16	16	1	1	11	3	6	4	1	8
5	24	60	5	31	3202	241	86	155	4	25	20	2	1	16	1	15	5	2	15
7	5	60	7	13	4215	222	52	170	2	12	18	2	2	12	2	9	3	2	6
7	25	60	8	3	4417	236	58	178	3	14	18	2	1	15	0	8	5	1	9
8	17	60	8	25	5062	177	45	132	2	13	12	1	1	10	0	5	4	1	8
9	7	60	9	14	4642	195	44	151	2	13	12	1	1	9	1	4	3	1	9

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT
DETROIT, MICHIGAN

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	17	59	12	8	4605	92	23	69	1	6	9	1	2	6	0	2	1	0	4
2	5	60	2	19	9120	88	22	66	1	6	7	1	1	5	0	3	1	0	4
4	6	60	4	19	6412	127	34	93	1	11	9	1	1	7	0	3	2	1	7
5	3	60	5	17	4942	115	39	76	2	12	9	2	1	6	0	5	4	1	6
6	8	60	6	22	5775	130	25	105	0	5	10	1	1	7	1	4	2	1	3
7	7	60	7	20	6210	104	28	76	1	9	9	2	1	6	0	3	2	1	3
8	4	60	8	16	8227	80	18	62	1	5	7	1	1	3	2	2	1	0	2
9	6	60	9	20	9999	71	17	54	0	4	7	1	1	5	0	2	1	1	2

PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WISCONSIN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE MICHIGAN, WESTERN SHORE

STATION LOCATION LAKE MICHIGAN AT MILWAUKEE, WISCONSIN

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
8	15	60	8	29	4712	143	27	116	1	8	9	2	1	5	1	2	1	1	5
9	15	60	9	24	5578	127	22	105	1	7	6	1	1	4	0	2	1	1	4

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE INDIANA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. JOSEPH RIVER

STATION LOCATION LAKE MICHIGAN AT GARY, INDIANA

DATE OF SAMPLE BEGINNING MONTH	BEGINNING DAY	BEGINNING YEAR	END MONTH	END DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	EXTRACTABLES CHLOROFORM	EXTRACTABLES ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	CHLOROFORM EXTRACTABLES WATER SOLUBLES	NEUTRALS TOTAL	NEUTRALS ALIPHATICS	NEUTRALS AROMATICS	NEUTRALS OXYGENATED COMPOUNDS	NEUTRALS LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	12	5010	125	33	92	1	9	11	1	1	8	1	3	2	1	6
11	2	59	11	10	5140	135	28	77	1	6	15	3	2	9	1	2	1	1	2
12	6	59	12	15	5000	116	23	93	1	6	10	2	2	6	0	2	1	1	2
1	4	60	1	13	5340	151	30	121	2	7	11	1	1	8	1	4	2	1	3
2	1	60	2	12	5070	148	34	114	1	7	17	3	3	10	1	4	1	1	3
3	7	60	3	14	5230	96	24	72	1	6	9	1	2	6	0	3	1	1	3
4	4	60	4	13	5040	109	32	77	1	9	12	2	2	8	0	4	2	1	3
5	2	60	5	12	5260	113	39	74	2	10	13	3	2	7	1	5	3	1	4
6	6	60	6	13	5020	92	29	63	2	9	10	2	1	7	0	3	2	0	3
7	5	60	7	14	5010	157	39	118	2	12	13	2	1	9	1	5	2	1	5
8	1	60	8	8	5020	147	37	110	2	10	11	1	1	8	1	4	3	1	6
9	6	60	9	13	5410	134	31	103	2	9	9	1	1	6	1	3	2	0	6

PHS-2648-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MICHIGAN
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION ST. MARYS RIVER AT SAULT STE. MARIE, MICHIGAN

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	DATE OF SAMPLE END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	4	60	1	13	3540	133	18	115	1	3	9	1	2	6	0	1	1	0	1
2	1	60	2	15	5302	141	22	119	1	7	8	1	3	3	0	3	1	1	5
3	7	60	3	21	5317	108	27	81	2	10	5	1	1	3	0	2	2	1	5
4	5	60	4	18	5010	160	32	128	3	11	5	1	1	3	1	2	2	1	7
5	2	60	5	16	5302	104	35	69	1	12	5	0	2	3	1	1	2	1	9
6	6	60	6	20	3671	217	40	177	2	16	7	1	3	3	0	3	3	1	8
7	4	60	7	18	4552	160	45	115	2	17	8	1	2	6	1	4	4	0	10
8	1	60	8	15	4740	150	42	108	1	18	6	1	1	4	0	3	4	1	9
9	6	60	9	19	3962	169	41	124	1	14	7	1	1	5	0	3	4	1	11

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MINNESOTA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	19	6120	79	17	62	1	5	5	1	1	3	0	2	1	0	3
11	18	59	12	1	4897	128	19	109	1	7	4	0	1	3	0	1	1	1	4
1	4	60	1	18	6660	84	19	65	1	7	4	1	0	3	0	2	1	0	4
2	2	60	2	15	4612	145	26	119	2	8	5	1	1	3	0	2	2	1	6
3	7	60	3	21	5595	96	32	55	7	9	3	1	0	2	0	2	3	0	7
4	5	60	4	18	5663	100	19	81	2	6	4	1	0	3	0	2	1	0	4
5	2	60	5	16	5430	92	23	69	2	8	4	1	0	3	0	2	2	0	5
6	6	60	6	20	6217	98	28	70	3	10	4	1	0	3	0	2	2	1	5
7	5	60	7	18	7057	108	27	81	3	9	4	1	0	3	0	3	2	1	5
8	1	60	8	13	5003	140	39	101	1	17	5	1	0	4	0	3	4	0	9
9	5	60	9	19	7200	103	23	82	3	7	4	1	0	3	0	2	2	0	5

PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	59	10	15	5000	245	98	147	5	20	26	1	1	23	1	13	13	1	20
11	4	59	11	12	5029	282	64	219	2	13	24	1	2	20	1	8	4	1	12
12	4	59	12	11	5020	196	57	139	4	12	20	2	3	13	2	7	4	1	9
12	30	59	1	6	5000	232	61	171	1	12	23	3	3	15	2	7	4	1	13
2	3	60	2	11	5140	308	102	206	9	19	35	3	4	28	0	12	8	2	17
3	2	60	3	9	5036	229	74	155	1	18	26	3	3	19	1	10	5	1	13
4	6	60	4	14	5000	170	77	93	4	18	21	2	2	15	2	8	8	2	16
5	4	60	5	13	5000	174	62	112	1	15	19	3	2	13	1	8	6	1	12
7	7	60	7	15	5172	230	109	121	8	23	33	4	3	23	3	13	13	2	17
8	3	60	8	11	5292	208	98	110	3	20	32	4	3	22	3	12	12	1	18
9	7	60	9	15	5400	208	106	102	4	22	31	4	3	23	1	14	15	2	16

PHS-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN ILLINOIS RIVER

STATION LOCATION ILLINOIS RIVER AT PEORIA, ILLINOIS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	31	60	4	17	6480	93	35	58	1	8	16	1	1	13	1	4	2	1	3

FWQ-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN KANAWHA RIVER

STATION LOCATION KANAWHA RIVER AT WINFIELD DAM, WEST VIRGINIA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	11	60	2	24	3864	228	107	121	5	21	56	5	7	40	4	10	5	2	8
3	16	60	3	25	4060	353	233	120	7	40	114	9	29	71	5	16	14	7	35
4	13	60	4	20	2790	398	228	170	9	59	89	3	7	69	4	14	21	7	20
4	28	60	5	4	4210	438	316	122	6	76	136	5	14	113	4	22	19	16	41
5	18	60	5	26	3360	622	443	179	13	93	190	8	27	140	15	31	22	27	67
6	16	60	6	23	4910	1052	913	139	27	274	457	5	46	338	68	46	18	36	35
7	7	60	7	14	5230	1051	935	116	29	206	374	15	30	269	60	65	47	28	187
7	27	60	8	3	5200	1137	972	166	29	136	418	12	38	305	63	59	29	20	272
8	17	60	8	24	5010	535	415	120	12	66	203	4	51	128	20	25	17	9	84
9	7	60	9	13	5090	2310	2134	176	43	320	939	19	94	648	178	107	43	85	597
9	23	60	9	29	4140	342	233	109	13	38	286	9	20	200	57	37	37	15	255

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MASSACHUSETTS
MAJOR BASIN NORTHEAST
SUB BASIN MERRIMAC RIVER
STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	20	59	10	26	7972	151	51	100	1	10	27	4	2	19	2	6	3	1	3
11	19	59	11	25	2422	285	91	194	5	24	26	4	3	18	1	16	5	0	15

FWQ-2540-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: LOUISIANA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION: MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
9	30	59	10	7	6229	133	30	103	1	5	13	0	1	11	1	4	1	1	4
10	22	59	10	29	6229	115	17	98	0	3	8	1	1	6	0	3	1	0	2
12	29	59	1	4	6229	147	27	120	0	5	13	1	1	11	0	4	1	1	3
1	22	60	1	29	6229	129	41	88	2	10	13	1	1	10	1	5	2	1	7
2	19	60	2	26	6229	102	17	85	0	4	7	1	1	5	0	2	2	0	2
4	6	60	4	14	6952	105	43	62	3	10	12	1	1	9	1	5	4	0	9
5	2	60	5	11	7119	103	41	62	2	12	9	1	1	7	0	5	5	1	7
5	23	60	5	30	6229	72	33	39	1	9	9	1	1	7	0	4	3	1	6
6	30	60	7	6	6227	125	30	95	1	7	11	1	1	8	1	4	2	1	4
7	20	60	7	27	6227	-	39	-	2	11	10	0	1	8	1	5	2	1	8
8	12	60	9	20	7377	101	36	65	2	8	10	0	1	8	1	5	4	0	7
9	6	60	9	13	6229	123	46	77	3	12	18	1	1	11	5	5	4	1	3
9	23	60	9	30	6229	98	30	68	1	8	9	1	1	6	1	4	2	1	4

PHS-2045-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	23	59	12	4	2000	3[illegible]	99	250	4	26	33	3	3	24	3	10	8	2	16
6	8	60	6	17	5340	108	46	62	1	12	16	3	1	11	1	6	4	0	7
7	5	60	7	13	4830	108	20	88	0	2	9	1	1	7	0	3	1	1	4
9	14	60	9	19	3100	165	62	103	2	15	20	3	1	15	1	7	6	1	11

PHS-2448-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	8	59	10	14	1665	189	44	145	1	12	14	2	2	10	0	7	4	1	5
11	2	59	11	16	3802	254	44	210	1	7	19	2	2	14	1	6	2	1	8
12	7	59	12	21	5002	217	42	175	1	5	22	2	3	17	0	7	2	1	4
1	6	60	1	18	2767	345	86	259	3	19	31	3	3	22	3	11	7	3	12
2	1	60	2	15	4837	213	43	170	0	8	19	1	2	15	1	6	3	1	6
3	8	60	3	22	5235	195	53	142	1	9	26	6	5	14	1	7	3	1	6
4	5	60	4	18	3307	249	44	205	0	8	20	2	2	14	2	5	2	1	8
5	2	60	5	16	3982	242	101	141	5	26	22	1	1	18	2	11	10	2	22
7	5	60	7	18	4050	180	64	116	2	13	20	2	1	16	1	13	5	1	10
8	1	60	8	15	3007	258	78	180	2	15	29	1	2	21	5	16	5	2	9
9	6	60	9	20	4740	178	52	126	2	10	17	1	2	13	1	9	5	1	8

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	15	3595	301	45	256	2	8	17	1	1	14	1	6	3	1	8
11	3	59	11	13	3634	274	59	215	1	14	21	1	2	16	2	8	4	1	10
12	8	59	12	15	3735	279	44	235	1	8	20	2	2	15	1	5	1	1	8
1	5	60	1	13	3724	233	60	173	2	11	24	2	2	19	1	8	5	1	9
2	2	60	2	11	3182	297	55	242	2	12	22	2	2	16	2	7	3	1	8
3	7	60	3	15	4418	193	41	152	1	9	20	3	2	14	1	4	2	1	4
4	4	60	4	13	4204	195	50	145	1	10	20	2	1	16	1	6	4	2	7
5	2	60	5	12	3104	334	97	237	5	25	23	1	1	19	2	11	13	1	19
6	13	60	6	23	3440	221	54	167	1	16	17	3	2	12	0	8	4	1	7
7	11	60	7	20	3811	205	45	160	0	9	16	1	1	13	1	8	4	1	7
8	2	60	8	12	1908	439	101	338	3	21	38	3	2	26	7	17	7	2	13
9	8	60	9	15	3417	244	89	155	4	21	24	3	2	10	1	11	12	2	15

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE						EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY	GALLONS FILTERED	TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	13	5000	192	58	134	2	16	14	1	1	11	1	5	5	1	15
11	3	59	11	10	4800	182	43	139	1	11	14	1	1	11	1	5	2	1	9
12	7	59	12	14	5000	172	29	143	2	6	12	1	1	9	1	3	1	1	4
1	4	60	1	12	4995	191	33	158	1	9	12	1	1	10	0	4	2	1	4
2	1	60	2	9	5000	190	39	151	1	9	14	1	1	12	0	5	3	1	6
3	7	60	3	15	5000	170	46	124	2	13	13	3	2	7	1	4	4	1	9
4	5	60	4	13	5000	180	78	102	1	21	21	1	1	17	2	13	6	2	14
5	2	60	5	10	5000	187	72	115	4	20	17	1	1	14	1	7	7	1	16
6	6	60	6	13	5000	146	49	95	2	13	12	1	1	10	0	5	5	1	11
7	4	60	7	11	5000	186	36	150	1	9	10	1	1	7	1	5	3	1	7
8	1	60	8	9	5130	131	34	97	1	9	11	1	1	9	0	4	2	1	6
9	6	60	9	14	5000	152	27	125	1	7	9	1	1	7	0	3	2	1	4

PHS-2642-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	14	3352	218	37	181	2	8	12	1	1	9	1	4	2	0	9
11	2	59	11	6	5640	157	35	122	1	8	11	1	1	8	0	4	2	1	8
12	1	59	12	7	4230	199	56	133	5	15	13	1	1	10	1	7	5	1	20
1	4	60	1	13	5565	220	47	173	1	10	18	1	1	14	2	6	3	1	8
2	1	60	2	9	5017	220	48	172	2	13	12	1	1	9	1	6	3	1	11
3	8	60	3	15	5340	191	37	154	2	10	12	1	1	9	1	4	3	1	5
4	5	60	4	11	3532	271	113	158	3	29	28	2	1	22	3	10	9	5	29
5	1	60	5	10	3255	250	98	152	6	29	22	1	1	17	3	9	10	2	20
6	6	60	5	14	1695	445	128	317	9	38	26	3	1	21	1	14	13	1	27
7	5	60	7	14	5632	159	58	101	3	16	13	1	1	10	1	6	5	1	14
8	4	60	8	11	4117	185	54	131	2	14	15	1	1	9	5	8	5	1	9
9	6	60	9	12	2265	344	128	216	9	36	27	3	2	21	1	14	15	3	24

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	59	10	11	2883	190	77	113	2	21	24	1	2	19	2	7	5	2	16
11	3	59	11	10	3468	244	57	187	2	14	23	1	2	19	1	5	2	1	10
12	1	59	12	7	2985	272	58	214	3	14	19	1	1	16	1	6	4	1	11
1	7	60	1	12	2675	367	74	293	2	19	27	2	2	22	1	7	5	1	13
2	8	60	2	11	2185	388	76	312	2	17	27	2	2	22	1	7	5	2	16
3	1	60	3	8	4190	266	76	190	2	19	34	2	2	29	1	8	5	3	5
4	5	60	4	12	4130	264	110	154	2	32	33	2	2	26	3	12	9	3	19
5	3	60	5	9	2833	273	108	165	3	30	26	2	2	22	0	10	10	2	22
6	7	60	6	14	3775	208	56	152	1	15	18	3	2	13	0	7	4	1	10
8	2	60	8	9	3167	234	55	179	1	13	20	2	2	15	1	7	4	1	9
9	6	60	9	13	3528	229	69	160	2	15	29	9	4	15	1	7	5	1	10

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT ST. LOUIS, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	12	59	10	26	6885	89	15	74	0	3	8	1	1	6	0	2	1	0	1
12	21	59	1	4	5992	163	26	127	1	5	10	1	1	8	0	3	2	1	4
3	14	60	3	28	3660	184	49	135	1	11	16	3	1	11	1	6	3	1	11
5	23	60	6	6	5025	110	30	80	1	8	11	1	1	8	1	4	2	1	3
6	20	60	7	4	4155	101	15	86	0	3	8	2	1	5	0	2	1	0	1

FWS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	19	59	11	2	4804	114	17	97	0	3	9	1	1	6	1	2	1	0	2
11	27	59	12	7	3271	160	49	111	3	12	17	3	2	11	1	7	3	0	7
12	30	59	1	12	4691	134	19	115	0	4	10	2	1	7	0	2	1	1	1
1	22	60	2	1	3138	151	35	116	0	5	20	4	2	13	1	4	2	1	3
2	19	60	3	3	4584	-	-*	125	-	-	-	-	-	-	-	-	-	-	-
3	3	60	3	17	4778	136	32	104	1	4	18	6	2	10	0	4	2	1	2
3	24	60	4	4	3217	147	24	123	0	3	15	4	2	8	1	3	1	0	3
4	11	60	4	25	5362	123	42	81	1	12	11	1	1	9	0	4	4	1	9
4	25	60	5	9	5120	124	37	87	2	10	9	1	1	7	0	4	4	1	7
5	13	60	5	24	3387	93	14	79	0	2	7	2	1	4	0	2	1	0	2
6	3	60	6	16	3594	96	16	80	0	4	7	2	1	4	0	2	1	0	2
6	27	60	7	11	3289	103	22	81	0	6	9	2	1	5	0	2	2	0	3
7	11	60	7	25	4256	109	16	93	0	4	7	2	1	4	0	2	1	0	2
7	26	60	9	8	5102	69	25	44	1	8	7	1	1	4	1	3	2	0	4
9	6	60	9	19	5108	80	15	65	0	3	7	2	1	4	0	2	1	0	2
9	20	60	10	3	4504	76	22	54	0	5	9	2	1	6	0	3	1	1	3

*Nearly all lost.

PHS-2642-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
9	29	59	10	12	4875	173	35	138	1	4	13	1	1	9	2	5	2	1	9
11	9	59	11	23	5250	188	35	153	0	6	19	3	2	13	1	4	1	1	4
12	20	59	1	2	5280	164	33	131	1	5	16	3	2	11	0	7	1	1	2
1	4	60	1	16	3367	263	40	223	0	9	15	1	1	12	1	6	3	1	6
1	18	60	2	1	3660	293	48	245	1	10	18	2	2	13	1	8	3	1	7
2	16	60	2	29	3570	201	45	156	0	10	18	4	2	11	1	7	2	1	7
3	15	60	3	26	4507	115	37	78	1	7	16	2	3	10	1	8	2	1	2
4	10	60	4	23	3892	234	41	193	0	10	12	1	0	10	1	4	3	1	11
4	24	60	5	9	4327	219	85	134	5	23	20	1	1	15	2	2	10	2	16
6	5	60	6	20	4102	170	30	140	0	5	14	4	1	8	1	4	1	1	5
6	27	60	7	11	3292	142	27	115	1	7	10	1	1	7	1	4	2	1	2
7	25	60	8	7	5580	73	17	56	1	5	5	1	0	4	0	2	1	0	3
8	23	60	9	4	5212	96	21	73	0	5	8	1	1	6	0	3	1	0	4
9	4	60	9	19	5370	145	31	114	1	10	8	1	1	6	0	3	2	1	6

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT OMAHA, NEBRASKA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	12	59	10	26	5855	59	13	46	1	4	4	1	0	3	0	1	1	0	2
11	9	59	11	12	2409	258	50	208	2	14	18	2	1	14	1	8	2	1	5
12	7	59	12	21	3323	211	36	175	3	3	14	2	1	11	0	6	2	1	4
1	4	60	1	17	3625	200	36	164	2	9	10	1	1	8	0	4	3	1	7
2	15	60	2	29	2991	237	39	198	1	11	12	1	1	10	0	4	3	1	7
3	14	60	3	28	6340	121	23	98	0	6	7	1	0	6	0	3	2	0	5
4	11	60	4	25	3564	275	53	222	1	11	21	1	1	18	1	6	3	2	9
5	9	60	5	23	3258	188	28	160	2	6	11	2	1	0	0	3	2	1	5
8	1	60	8	9	1068	408	133	275	1	44	39	6	4	27	2	13	9	3	24
9	2	60	9	8	1315	296	75	221	5	23	20	2	1	15	2	8	6	2	11

PHS-2045-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	2	59	11	16	4200	150	26	124	1	7	8	0	1	6	1	2	1	1	6
12	14	59	12	28	3790	172	23	149	1	6	8	1	0	7	0	2	1	1	4
1	25	60	2	8	2140	268	50	218	3	12	16	2	1	12	1	5	1	1	10
2	29	60	3	14	3540	174	33	141	3	10	9	1	1	7	0	3	2	1	5
7	4	60	7	18	5240	140	51	89	3	15	13	1	1	11	0	5	4	1	10
8	1	60	8	15	2560	223	54	169	2	17	16	2	1	12	1	6	4	2	7
8	29	60	9	12	2900	203	52	151	2	17	11	1	1	9	0	5	4	2	11
9	26	60	10	10	3830	157	23	134	0	6	9	1	1	7	0	2	1	1	4

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PHS-2645-0
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	19	59	11	11	2340	188	30	158	0	8	11	1	1	8	1	2	4	1	4
12	9	59	1	1	2422	146	30	116	1	8	10	1	1	8	0	3	2	1	5
1	20	60	2	12	2340	181	30	151	1	8	11	1	1	9	0	3	2	2	3
2	3	60	3	26	2340	250	78	172	2	24	18	1	1	15	1	6	7	2	19
4	12	60	5	5	2242	216	57	159	2	18	13	2	1	10	0	5	5	1	13
6	6	60	6	29	2242	265	76	189	7	24	14	1	1	11	1	7	8	2	14
7	13	60	8	5	2392	214	48	166	2	15	13	2	1	10	0	5	4	1	8
8	17	60	9	9	2242	231	76	155	4	24	17	2	1	12	2	6	8	2	15
9	27	60	10	20	2242	190	25	165	1	7	9	1	1	5	2	2	1	1	4

PHS-2560-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: NORTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: MISSOURI-SOURIS RIVERS
STATION LOCATION: MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	14	59	10	28	4575	108	13	95	0	3	7	1	1	5	0	1	0	0	2
11	30	59	12	20	8175	97	16	81	1	4	7	0	1	6	0	2	1	0	1
5	4	60	5	18	5010	86	34	52	1	10	10	1	1	8	0	3	3	0	7
6	1	60	6	13	5025	107	23	84	2	6	6	1	1	4	0	2	2	1	4
6	28	60	7	8	5175	90	26	64	1	7	7	1	0	5	1	3	2	1	5
7	20	60	7	31	5295	88	14	74	1	4	5	1	0	4	0	1	1	0	2
8	22	60	9	1	5175	87	15	72	0	4	6	1	1	4	0	2	1	0	2
9	14	60	9	25	5175	137	20	117	0	5	7	1	1	5	0	2	1	1	4

PHS-2048-D
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB

STATION LOCATION OHIO RIVER AT
CAIRO, ILLINOIS

DATE OF SAMPLE BEGINNING MONTH	BEGINNING DAY	BEGINNING YEAR	END MONTH	END DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	EXTRACTABLES CHLOROFORM	EXTRACTABLES ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	CHLOROFORM EXTRACTABLES WATER SOLUBLES	NEUTRALS TOTAL	NEUTRALS ALIPHATICS	NEUTRALS AROMATICS	NEUTRALS OXYGENATED COMPOUNDS	NEUTRALS LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	19	59	10	23	3170	175	46	129	2	6	19	1	2	14	2	6	2	1	11
11	23	59	11	30	1900	286	81	205	5	19	28	3	4	18	3	7	5	2	15
12	18	59	1	8	1206	424	95	329	3	17	50	14	9	27	0	10	5	2	8
1	26	60	2	1	1535	234	80	154	2	15	42	14	8	19	1	7	4	2	8
4	12	60	4	21	3862	204	62	142	2	15	22	4	3	14	1	8	4	1	10
5	11	60	5	21	2527	302	85	217	2	21	27	4	3	20	0	13	8	2	12
6	13	60	6	24	2220	245	71	174	2	14	26	5	3	18	1	11	5	1	10
7	11	60	7	23	4207	210	55	155	1	14	16	1	2	13	0	8	5	1	10
8	15	60	8	26	2786	253	56	197	1	12	21	3	2	14	2	7	4	1	10
9	12	60	9	22	3837	187	66	121	5	16	19	2	2	14	1	7	7	1	11

FWQ-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE INDIANA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT
EVANSVILLE, INDIANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
5	31	66	6	10	5030	141	60	81	2	13	18	3	2	12	1	7	6	1	13
7	1	66	7	22	5128	163	53	110	1	12	17	2	1	13	1	8	4	2	9
8	1	66	8	26	5010	219	67	152	1	11	29	3	2	22	2	11	5	1	9

PHS-5049-0
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	59	10	21	3531	359	126	233	1	11	59	2	9	41	7	15	6	4	30
11	12	59	11	30	3097	508	136	372	5	31	57	8	6	40	3	14	11	3	15
12	17	59	12	31	1743	604	150	454	6	29	65	18	13	33	1	17	14	4	16
1	13	60	1	25	2027	442	122	319	3	21	69	22	13	31	3	15	9	3	12
2	3	60	2	18	1810	507	163	344	10	33	72	14	12	43	3	18	13	3	14
4	6	60	4	27	2364	492	190	302	8	51	59	14	8	35	2	17	13	2	34
5	4	60	5	18	1578	626	289	337	12	58	101	21	11	64	5	32	35	6	45
6	2	60	6	22	1346	308	222	586	7	45	80	13	7	51	9	21	22	2	36
7	13	60	7	27	1683	603	180	423	4	43	65	6	6	49	2	25	16	6	23
9	14	60	9	28	2177	468	145	323	4	30	54	4	6	41	3	20	15	3	19

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT
HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	59	10	16	4072	384	94	290	3	22	35	1	3	30	1	10	10	3	11
11	5	59	11	18	3062	540	134	406	7	31	50	3	4	41	2	13	9	3	21
12	1	59	12	18	3930	256	85	171	5	17	37	8	5	23	1	9	7	2	7
1	1	60	1	18	3135	352	111	241	8	22	48	10	7	29	2	12	8	2	11
2	1	60	2	16	3112	316	99	217	3	16	50	9	7	32	2	12	7	2	9
3	1	60	3	16	3870	222	84	138	3	17	40	6	3	30	1	7	5	3	9
4	1	60	4	15	2707	332	125	207	5	35	40	9	6	23	2	10	14	1	20
5	1	60	5	18	3465	333	180	173	7	45	63	5	8	43	7	20	20	4	21
6	1	60	6	17	3457	340	157	183	11	41	44	2	2	37	3	16	20	3	22
7	1	60	7	21	3780	427	200	227	6	50	58	2	2	50	4	26	24	4	32
8	1	60	8	15	3105	431	192	239	8	58	69	2	3	57	7	21	21	4	11
9	1	60	9	19	3740	476	268	208	16	59	86	2	11	69	4	24	38	5	40

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT
EAST LIVERPOOL, OHIO

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	59	10	15	3000	487	154	333	3	21	77	15	10	49	3	25	15	3	10
10	25	59	11	13	1280	930	303	627	9	49	164	50	31	64	10	30	15	6	30
11	27	59	12	15	2500	258	111	147	2	8	88	48	19	19	2	8	2	1	2
1	1	60	1	18	2000	363	160	203	2	16	107	55	25	24	3	22	5	2	6
2	1	60	2	19	1800	302	109	193	2	11	80	42	18	19	1	10	2	1	3
3	1	60			5400	161	76	85	3	8	47	24	8	14	1	8	2	1	7
4	1	60	4	15	2200	147	77	70	2	11	46	26	7	12	1	7	4	1	5
4	26	60	5	6	2500	386	214	172	4	28	133	63	24	41	5	24	11	4	10
6	8	60	7	6	5000	156	83	73	4	16	34	12	6	15	1	12	8	1	8
7	15	60	7	30	2000	824	330	494	13	63	135	47	22	63	3	40	36	3	40
8	16	60	9	11	4000	449	189	260	4	28	95	31	15	46	3	28	13	3	10
9	26	60	10	10	740*	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Flow too low. Results not reported.

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT
GREAT FALLS, MARYLAND

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	19	3209	359	79	280	2	17	27	1	2	21	3	9	5	2	17
12	7	59	12	21	3258	331	73	258	4	15	26	2	2	20	2	8	4	1	15
1	18	60	1	31	3876	307	105	202	9	26	25	2	2	17	4	12	9	2	22
2	15	60	2	29	3329	325	110	215	13	25	25	3	3	19	0	10	10	1	26
3	4	60	3	28	3040	387	141	246	10	38	28	2	1	23	2	13	16	1	35
4	11	60	4	25	3031	238	74	164	5	19	17	2	1	13	1	5	5	2	21
5	16	60	5	31	3445	266	102	164	5	28	24	2	2	17	3	11	10	1	24
6	20	60	7	5	2100	365	100	257	7	32	24	2	2	19	1	10	10	2	23
7	18	60	8	8	3648	264	78	186	2	19	22	2	1	18	1	9	7	2	17

PHS-2448-6
11-67

• WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	12	5500	260	122	138	4	11	31	1	2	28	3	13	12	2	48
11	3	59	11	10	5050	200	46	154	1	12	14	1	1	11	1	4	2	1	12
12	1	59	12	9	5210	190	48	142	2	9	16	2	1	12	1	7	2	0	12
1	4	60	1	12	5013	201	55	146	6	12	15	2	1	11	1	7	3	1	11
2	1	60	2	9	4009	189	71	118	6	10	20	2	1	15	2	9	7	1	18
2	29	60	3	8	5078	182	74	108	1	12	31	1	1	27	2	11	6	1	12
4	4	60	4	12	3198	203	72	131	5	23	14	2	1	10	1	9	6	1	14
5	2	60	5	9	4352	218	93	125	3	23	27	1	1	23	2	12	5	1	22
5	30	60	6	7	5556	162	78	84	9	22	13	1	1	11	0	7	6	1	18
7	4	60	7	11	5113	153	49	104	1	13	17	1	1	13	2	5	3	1	9
8	1	60	8	8	4991	244	76	168	2	17	24	1	1	19	3	10	7	2	14
9	5	60	9	9	3197	277	114	163	6	27	34	2	2	28	2	13	13	3	20

FWQ-2040-E
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARKANSAS

MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT INDEX, ARKANSAS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	2	59	11	10	3960	173	38	135	1	9	16	1	1	13	1	4	2	1	5

PHS-2448-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT
DENISON, TEXAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES								
BEGINNING			END								NEUTRALS						
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	12	4880	249	43	206	2	2	14	1	1	12	0	5	4	2	14
11	2	59	11	9	5020	213	39	174	1	10	13	1	1	11	0	4	3	1	7
12	7	59	12	14	4960	246	51	195	4	12	15	1	1	11	2	6	5	1	8
1	4	60	1	11	4940	266	40	226	1	10	12	1	1	10	0	4	3	1	9
2	1	60	2	8	5270	202	47	155	2	12	15	1	1	13	0	5	3	1	9
3	7	60	3	14	4990	187	66	121	6	18	16	1	1	14	0	6	6	1	13
4	5	60	4	12	4780	233	83	150	3	23	18	1	1	15	1	9	11	2	18
5	2	60	5	9	5020	223	68	155	3	20	20	2	1	17	0	7	3	2	16
6	6	60	6	14	5850	226	58	168	3	16	14	1	0	12	1	6	6	1	12
7	6	60	7	14	5770	270	91	179	6	27	19	1	1	15	1	9	13	2	16
8	1	60	8	8	5100	255	78	177	5	20	19	2	1	14	2	9	9	2	14
9	6	60	9	13	5040	454	57	160	2	15	14	2	1	11	0	6	4	1	13

FWQ-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: TEXAS

MAJOR BASIN: WESTERN GULF

SUB BASIN: LOWER RIO GRANDE BELOW PECOS RIVER

STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE BEGINNING MONTH	BEGINNING DAY	BEGINNING YEAR	END MONTH	END DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	EXTRACTABLES CHLOROFORM	EXTRACTABLES ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	CHLOROFORM EXTRACTABLES WATER SOLUBLES	CHLOROFORM EXTRACTABLES NEUTRALS TOTAL	NEUTRALS ALIPHATICS	NEUTRALS AROMATICS	NEUTRALS OXYGENATED COMPOUNDS	NEUTRALS LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	20	59	10	30	3484	139	28	111	1	2	13	2	2	9	0	2	1	1	7
11	23	59	12	1	4586	105	12	93	0	2	8	3	1	4	0	1	0	0	1
12	22	59	1	5	3880	134	13	121	0	2	9	3	1	5	0	1	0	0	1
1	20	60	2	1	2646	152	29	123	1	5	18	10	2	6	0	2	1	1	1
2	22	60	3	3	3518	102	17	85	0	1	10	3	1	6	0	2	1	2	1
3	25	60	3	31	1214	323	56	267	2	16	22	7	3	11	1	6	2	1	6
4	15	60	4	26	4942	104	18	86	1	4	8	2	1	4	0	2	1	0	2
5	11	60	5	21	4535	108	20	72	1	0	11	3	1	7	0	3	1	1	4
6	10	60	6	20	1827	370	63	307	2	18	20	5	2	13	0	7	4	1	11
7	8	60	7	12	3404	146	32	114	1	7	14	5	1	7	1	2	2	1	4
8	8	60	8	16	2077	194	34	160	1	0	13	3	1	6	3	4	2	1	4
9	16	60	9	22	1438	-*	-	-	-	-	-	-	-	-	-	-	-	-	-

*Results not accurate.

PHS-2848-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN UPPER RIO GRANDE ABOVE PECOS RIVER

STATION LOCATION RIO GRANDE RIVER AT
EL PASO, TEXAS

DATE OF SAMPLE BEGINNING MONTH	BEGINNING DAY	BEGINNING YEAR	END MONTH	END DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	EXTRACTABLES CHLORO-FORM	EXTRACTABLES ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	CHLOROFORM EXTRACTABLES WATER SOLUBLES	NEUTRALS TOTAL	NEUTRALS ALIPHATICS	NEUTRALS AROMATICS	NEUTRALS OXYGEN-ATED COMPOUNDS	NEUTRALS LOSS	WEAK ACIDS	STRONG ACIDS	BASE'S	LOSS
10	7	59	10	12	4875	120	20	108	1	5	8	1	1	6	0	2	1	0	3
4	4	60	4	14	5122	184	63	121	1	16	21	1	1	18	1	5	4	2	13
5	4	60	5	10	5490	120	36	84	2	10	9	1	1	6	1	3	4	1	7
6	6	60	6	13	6720	140	38	102	2	10	9	1	1	7	0	4	4	1	8
7	5	60	7	11	5827	146	36	110	2	10	12	1	1	9	1	4	3	0	5
9	6	60	9	12	6150	175	27	148	1	8	7	1	0	6	0	3	2	1	5

PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN SABINE RIVER

STATION LOCATION SABINE RIVER NEAR RULIFF, TEXAS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
5	25	60	6	3	5484	179	89	90	1	19	36	5	3	27	1	12	0	2	10
7	5	60	7	19	5000	297	105	192	1	25	30	2	2	25	1	15	14	2	12
8	3	60	8	26	5000	289	93	196	2	21	26	2	1	22	1	11	15	1	17
9	7	60	9	19	5046	-*	-	-	-	-	-	-	-	-	-	-	-	-	-

*Laboratory accident. Results not reported.

PHS-1648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT
PORT WENTWORTH, GEORGIA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	5	59	10	17	4960	290	78	201	1	10	20	1	1	16	2	10	6	2	17
11	8	59	12	1	2644	552	132	413	7	25	36	2	3	30	1	15	11	0	29
12	30	59	1	13	4200	302	116	197	12	21	20	2	2	15	1	15	12	1	25
2	1	60	2	3	4530	202	66	136	2	15	16	1	1	14	0	7	5	1	19
3	7	60	3	15	4700	176	81	95	16	22	11	0	1	9	1	6	7	1	17
4	4	60	4	19	4700	330	109	221	7	28	17	1	1	14	1	10	12	1	34
5	2	60	5	9	4710	195	66	129	5	20	13	1	1	10	1	7	6	1	14
6	6	60	6	14	3390	255	95	160	7	33	21	2	2	17	0	12	11	1	19
7	5	60	7	15	4560	300	100	200	6	26	24	2	2	18	2	12	12	1	19
8	1	60	8	11	3600	258	106	152	4	20	27	2	2	22	1	12	12	1	22
9	5	60	9	16	4200	315	49	266	1	13	14	2	1	10	1	7	5	1	9

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE SOUTH CAROLINA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	23	59	1	17	4354	179	61	118	2	15	15	1	1	12	1	7	5	1	16
4	27	60	5	9	6612	107	37	70	2	10	10	2	1	7	0	4	3	1	7
6	20	60	6	27	5555	145	64	81	2	17	17	2	1	13	1	8	6	1	12
8	2	60	8	13	4815	106	86	100	9	24	15	2	1	12	0	8	9	1	20
9	6	60	9	19	5091	184	87	97	4	21	18	2	1	14	1	9	10	2	23

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION SCHUYLKILL RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	4	60	1	9	5270	73	20	53	0	3	14	5	2	6	1	2	0	0	1
4	5	60	4	22	4922	149	51	98	1	7	30	9	4	17	0	6	3	1	4
5	4	60	5	17	5006	231	124	107	4	23	46	10	4	31	1	14	15	2	20
6	1	60	6	15	5085	109	97	100	1	13	41	10	5	24	2	23	7	1	5
6	28	60	7	14	4769	300	106	184	1	13	55	11	6	35	3	18	10	3	6
7	29	60	8	15	4321	412	219	193	4	35	88	15	9	54	10	37	26	4	25
9	7	60	9	20	4726	260	90	170	2	14	41	7	4	29	1	14	9	1	9

PHS-2000-8
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION SNAKE RIVER AT
WAWAWAI, WASHINGTON

DATE OF SAMPLE						EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY	GALLONS FILTERED	TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	17	59	11	9	7500	69	16	53	0	4	6	1	1	4	0	2	1	0	3
11	25	59	12	7	5000	100	25	75	0	5	12	1	2	9	0	3	1	0	4
1	4	60	3	21	4760	131	59	72	1	12	22	2	3	15	2	11	4	1	8
7	11	60	7	25	3250	193	66	127	2	15	27	2	2	21	2	7	3	1	11
8	15	60	9	6	8830	84	25	59	1	5	11	1	1	9	0	3	1	1	3

PHS-2540-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER BASIN

STATION LOCATION SUSQUEHANNA RIVER AT CONOWINGO, MARYLAND

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
5	13	60	5	31	5148	195	88	107	3	24	24	3	2	18	1	8	8	2	17
6	24	60	7	1	4954	139	45	94	2	12	13	2	1	10	0	4	4	1	9
8	3	60	8	13	4976	239	101	139	7	23	24	1	1	22	0	12	14	2	19
9	7	60	9	19	5330	288	86	202	4	21	23	1	1	19	2	10	11	2	15

PHS-2643-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN SUSQUEHANNA RIVER-NORTH BRANCH

STATION LOCATION SUSQUEHANNA RIVER AT SAYRE, PENNSYLVANIA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
2	16	60	3	17	5145	148	59	89	2	12	28	9	5	13	1	8	4	1	4
4	8	60	4	26	2835	228	56	172	2	15	17	3	2	12	0	8	4	1	9
5	17	60	6	6	2692	284	119	165	14	29	29	4	3	20	2	12	12	1	22
6	27	60	7	22	1597	551	233	318	9	51	82	7	7	66	2	30	21	5	35
8	29	60	9	16	2945	425	199	226	8	42	66	7	5	49	5	26	20	4	33

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	59	10	14	4050	151	48	103	4	12	14	1	1	11	1	6	4	1	7
11	10	59	11	18	4910	142	36	106	2	8	12	1	1	9	1	4	2	1	7
1	5	60	1	13	5000	126	26	100	1	6	11	1	1	8	1	4	1	1	2
2	10	60	2	17	4800	104	28	76	2	6	9	1	1	7	0	3	2	1	5
3	10	60	3	16	3370	120	32	87	1	9	11	2	1	8	0	4	2	1	5
4	12	60	4	20	4840	121	36	85	1	10	11	1	1	9	0	4	3	1	6
6	15	60	6	22	4100	178	47	131	2	14	13	2	1	10	0	5	4	0	9
7	13	60	7	20	4690	170	52	118	3	15	13	2	1	10	0	6	5	1	9
8	10	60	8	17	4750	131	37	94	2	9	12	1	1	9	1	4	3	1	6
9	14	60	9	21	4810	144	37	107	1	10	12	2	1	9	0	4	3	1	6

FWQ-2048-C
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MONTANA

MAJOR BASIN MISSOURI RIVER

SUB BASIN YELLOWSTONE RIVER

STATION LOCATION YELLOWSTONE RIVER NEAR SIDNEY, MONTANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	12	59	10	21	5000	86	17	69	1	3	8	1	1	6	0	2	1	1	1
11	18	59	11	26	5000	121	27	94	1	6	12	2	1	7	2	2	1	1	4
1	4	60	1	11	5000	137	19	118	0	3	11	2	1	8	0	2	1	1	1
2	1	60	2	8	5000	112	26	86	1	5	13	2	1	9	1	3	1	1	2
3	7	60	3	14	5000	102	31	71	1	7	15	5	2	8	0	3	2	1	2
4	4	60	4	11	5000	95	22	73	0	6	8	2	1	5	0	2	1	1	4
5	2	60	5	9	5055	100	32	68	1	9	12	3	1	7	1	3	2	1	4
7	4	60	7	11	5000	71	14	57	0	3	7	1	1	5	0	2	1	0	1
8	1	60	8	8	5055	109	24	85	0	6	10	2	1	7	0	3	1	0	4
9	5	60	9	12	5000	85	21	64	0	4	10	3	2	5	0	2	1	0	4

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW MEXICO

MAJOR BASIN COLORADO RIVER

SUB BASIN SAN JUAN RIVER

STATION LOCATION ANIMAS RIVER AT CEDAR HILL, NEW MEXICO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	1	60	.0	-	-	-	-	-	-	.0	55	146	238	35	37	298	-	-	-
2	8	60	1.0	-	8.1	-	-	-	-	.3	50	280	232	20	21	254	-	-	-
2	15	60	2.0	-	8.2	-	-	-	-	.3	39	140	248	70	83	288	-	-	-
2	23	60	.5	-	8.2	-	-	-	-	.2	57	140	270	30	54	297	-	-	-
2	29	60	2.0	-	8.2	-	-	-	-	.3	44	140	280	30	33	300	-	-	-
3	8	60	6.0	-	8.0	-	-	-	-	.4	44	120	200	70	150	336	-	-	-
3	15	60	.6	-	7.9	-	-	-	-	.3	36	112	160	70	150	312	-	-	-
3	21	60	9.0	-	8.1	-	-	-	-	.2	28	102	160	70	150	220	-	-	-
3	28	60	7.0	-	8.0	-	-	-	-	.4	25	100	146	70	150	221	-	-	-
4	6	60	10.0	-	8.1	-	-	-	-	.4	26	120	180	70	150	215	-	-	-
4	11	60	.8	-	7.9	-	-	-	-	.2	210	80	104	60	150	96	-	-	-
4	18	60	.8	-	8.1	-	-	-	-	.4	24	90	130	36	58	144	-	-	-
5	9	60	1.4	-	8.3	-	-	-	-	.5	21	94	140	30	-	96	-	-	1700
5	13	60	1.1	8.6	7.7	-	-	2.7	-	.2	4	28	90	30	550	96	-	-	-
5	23	60	1.1	8.8	7.7	-	-	2.2	4.5	.4	5	78	108	20	67	110	-	-	-
5	24	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
5	30	60	1.2	8.4	7.9	-	-	1.0	3.0	1.4	20	54	90	25	15	218	-	-	-
6	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
6	7	60	1.0	8.7	7.7	-	-	2.5	4.6	.2	4	50	76	10	17	120	-	-	-
6	13	60	-	8.3	8.0	-	-	1.3	2.5	.0	6	62	104	10	25	125	-	-	3000
6	20	60	14.0	8.5	7.8	1.1	-	1.4	2.5	.1	4	42	76	5	60	86	-	-	1100
6	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700
7	6	60	17.5	8.8	7.9	1.0	-	1.8	2.8	.0	15	44	101	5	16	-	-	-	-
7	11	60	18.0	7.8	8.3	-	-	1.6	2.8	.1	13	70	128	15	16	-	-	-	-
7	18	60	20.0	8.1	8.4	.8	-	1.7	3.3	.0	150	76	1500	5	6	-	-	-	-
7	26	60	23.5	7.9	8.1	1.5	-	1.8	3.8	.0	22	94	180	40	5	-	-	-	-
8	1	60	23.0	7.8	8.1	1.3	-	1.8	3.5	.2	21	94	150	10	8	-	-	-	-
8	9	60	22.0	7.8	8.2	1.3	-	2.0	3.4	.0	29	120	204	8	8	-	-	-	100
8	16	60	22.0	7.0	8.1	3.0	-	1.9	3.7	.6	34	128	154	6	5	-	-	-	-
8	17	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
8	22	60	20.0	7.7	8.1	1.6	-	1.9	3.7	.0	48	124	176	10	6	-	-	-	-
8	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1600
8	29	60	22.0	8.1	8.1	4.6	-	2.6	3.9	.1	-	124	260	70	206	-	-	-	800
9	6	60	22.0	7.9	8.1	3.9	-	1.8	3.5	.0	43	134	244	15	3	320	.2	-	370
9	12	60	21.0	8.0	8.2	2.2	-	1.9	3.3	.0	57	146	260	20	22	215	.6	-	200
9	19	60	18.0	8.6	8.1	2.6	-	1.8	3.8	.0	33	140	232	28	20	180	.4	-	-
9	26	60	16.0	9.1	8.1	2.4	-	1.9	4.6	.1	31	130	252	50	160	150	.3	-	-
9	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN APALACHICOLA RIVER

STATION LOCATION APALACHICOLA RIVER AT CHATTAHOOCHEE, FLORIDA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
12	7	59	13.0	-	7.3	-	-	-	-	-	2	49	34	35	*20	-	-	-	13
12	14	59	13.5	-	7.3	-	-	-	-	-	2	43	35	30	*20	-	-	-	-
12	21	59	14.0	-	7.2	-	-	-	-	-	2	44	34	35	*20	-	-	-	-
12	28	59	13.5	-	7.1	-	-	-	-	-	10	47	37	125	100	-	-	-	-
1	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4700
1	11	60	14.0	-	7.2	-	-	-	-	-	2	44	35	35	100	-	-	-	450
1	18	60	15.1	-	7.3	-	-	-	-	-	10	47	34	40	*20	-	-	-	430
2	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	930
2	8	60	15.0	-	7.1	-	-	-	-	-	8	30	41	160	35	-	-	-	400
2	15	60	15.0	-	7.2	-	-	-	-	-	4	35	44	180	35	-	-	-	410
3	1	60	15.0	-	7.1	-	-	-	-	-	8	30	41	160	35	-	-	-	210
3	14	60	15.0	-	7.4	-	-	-	-	-	10	32	21	70	20	-	-	-	1800
3	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	870
3	26	60	16.0	-	7.2	-	-	-	-	-	2	35	41	70	20	-	-	-	-
3	28	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
4	4	60	21.0	-	7.5	-	-	-	-	-	10	30	44	180	35	-	-	-	130
4	11	60	18.0	-	7.1	-	-	-	-	-	-	34	43	120	20	-	-	-	370
4	18	60	20.0	-	7.2	-	-	-	-	-	-	33	43	140	20	-	-	-	100
4	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
5	2	60	21.0	-	7.1	-	-	-	-	-	-	34	44	160	20	-	-	-	290
5	9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
5	16	60	22.0	8.6	7.1	-	-	-	-	-	2	40	42	150	20	-	-	-	24
5	23	60	27.0	7.0	7.3	.3	-	-	-	-	-	49	34	25	*20	-	-	60	-
5	30	60	28.0	10.0	7.2	-	-	3.6	6.4	.4	2	54	42	30	5	-	-	58	-
6	6	60	30.0	10.2	7.5	-	-	3.8	6.4	-	-	60	51	25	5	-	-	62	9
6	20	60	29.0	-	8.1	-	-	-	-	-	15	42	17	15	-	-	-	-	140
6	27	60	30.0	-	8.4	-	-	-	-	-	4	43	34	90	4	-	-	80	13
7	11	60	30.0	-	6.7	-	-	-	-	-	15	40	-	35	5	-	-	66	110
7	18	60	30.0	6.7	8.0	-	-	-	-	-	7	53	46	25	5	-	-	80	35
7	25	60	31.0	-	7.9	-	-	-	-	-	30	39	17	20	10	-	-	62	73
8	1	60	30.0	5.2	7.3	-	-	-	-	-	6	48	45	30	10	-	-	86	150
8	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
8	21	60	32.0	7.1	7.5	1.0	-	-	-	-	5	42	38	65	10	-	-	70	-
8	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
8	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	390
9	5	60	30.0	6.8	7.3	-	-	-	-	-	2	40	15	28	5	-	-	90	110
9	12	60	32.0	6.0	7.6	6.1	-	-	-	-	7	42	38	40	5	-	-	76	1000
9	19	60	34.0	7.2	7.8	-	-	-	-	-	5	40	36	35	10	-	-	80	330
9	26	60	32.0	6.8	7.3	-	-	-	-	-	2	51	51	35	10	-	-	82	89

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARKANSAS RIVER VAN BUREN TO MOUTH

STATION LOCATION ARKANSAS RIVER AT PENDLETON FERRY, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	27.0	7.3	7.8	3.1	6	–	–	–	134	46	–	–	–	–	–	590	–
10	6	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	44000
10	12	59	25.0	5.8	7.5	.7	19	.9	5.5	–	65	50	88	30	–	19	–	360	–
10	19	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1400
10	20	59	19.0	8.3	7.5	1.3	24	1.6	10.0	–	75	60	80	15	–	13	–	314	–
10	26	59	19.0	6.5	7.3	1.9	–	2.3	11.0	–	48	46	78	10	–	40	–	334	5000
11	2	59	18.0	9.2	7.6	1.6	11	.6	2.7	–	84	44	140	45	–	23	–	356	10000
11	9	59	14.0	10.6	7.6	3.3	–	.5	3.5	–	125	50	140	50	980	33	–	315	10000
11	16	59	12.0	10.3	6.4	2.0	8	1.1	5.0	–	72	38	122	60	560	69	–	315	4600
11	23	59	.0	8.8	7.1	.6	23	1.8	6.4	.0	77	102	168	35	560	66	–	407	–
12	14	59	10.0	9.5	7.7	2.7	3	2.8	8.8	.2	73	176	174	25	640	94	–	442	–
12	21	59	10.0	9.1	7.6	2.0	10	2.0	7.1	.2	90	76	132	55	280	37	–	469	–
12	28	59	9.0	10.2	7.6	2.2	7	3.0	7.6	.2	133	82	158	60	440	40	–	526	16000
1	4	60	7.0	9.3	7.8	.7	26	2.6	6.8	.0	64	70	112	40	470	31	–	350	180
1	11	60	9.0	11.5	7.0	3.0	8	1.5	5.8	.0	131	70	182	50	124	94	–	393	6200
1	18	60	7.0	12.0	7.4	6.9	43	2.9	7.1	.0	90	64	124	20	888	33	–	302	5400
1	25	60	3.0	12.8	7.4	4.8	48	2.4	8.0	.0	90	78	122	20	324	40	–	350	700
2	1	60	6.0	10.6	7.5	2.6	34	2.6	8.9	.0	105	90	152	45	306	51	–	418	6000
2	8	60	9.0	10.1	7.6	1.3	20	4.6	9.5	.0	125	90	160	20	94	44	–	378	4700
2	15	60	7.0	11.1	7.5	3.3	6	3.8	5.2	.0	194	126	108	30	988	55	–	569	20000
2	23	60	6.5	11.2	7.2	2.6	21	2.5	5.3	.0	130	104	146	60	204	45	–	412	10000
2	29	60	4.0	11.6	7.6	4.2	10	4.8	9.3	.0	148	90	154	40	124	59	–	511	4000
3	7	60	3.0	12.3	7.4	4.9	19	4.6	9.5	.0	107	70	156	20	96	48	–	370	2400
3	14	60	4.0	11.6	7.4	2.2	17	4.4	9.1	.1	64	62	118	40	94	36	–	178	2800
3	21	60	4.0	11.4	7.4	2.8	6	4.8	9.3	.4	103	60	176	55	540	69	–	306	5000
3	28	60	11.0	10.1	7.8	1.7	27	2.1	6.9	.0	126	70	166	50	360	77	–	507	1900
4	4	60	12.0	8.5	7.8	3.0	36	.9	5.9	.0	88	80	164	60	425	75	–	431	6000
4	11	60	18.0	9.4	7.8	2.4	35	1.7	4.9	.1	113	88	98	70	360	94	–	543	4600
4	18	60	20.0	8.3	8.0	1.1	10	1.9	6.2	.5	125	132	242	20	192	124	–	547	5600
4	25	60	18.9	7.1	7.9	1.2	24	2.0	8.8	.4	81	90	160	25	294	44	–	461	6500
5	2	60	22.0	7.8	7.8	.8	31	2.4	7.3	.4	96	110	206	50	294	42	–	448	52000
5	9	60	19.0	7.3	7.7	4.1	60	.9	6.6	.5	42	68	64	30	696	26	–	175	9200
5	16	60	22.0	7.2	6.5	1.3	40	1.3	6.5	.0	40	100	120	30	515	50	–	250	32000
5	23	60	22.0	5.7	7.1	3.5	41	1.8	6.9	.0	30	58	94	25	436	40	–	167	7800
5	31	60	25.6	6.1	7.1	1.2	29	1.1	4.0	.0	30	64	65	30	700	25	–	211	8000
6	6	60	25.6	5.9	7.8	.8	31	4.0	9.5	.0	80	68	120	20	560	34	–	312	13000
6	13	60	27.0	7.5	7.8	2.2	29	3.8	9.1	.0	80	70	112	15	228	34	–	304	–
6	20	60	28.0	5.8	6.9	1.9	19	2.1	6.0	.0	147	94	90	35	3900	40	–	440	10000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARKANSAS RIVER VAN BUREN TO MOUTH

STATION LOCATION ARKANSAS RIVER AT

PENDLETON FERRY, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	11	60	31.0	5.1	7.5	5.5	20	3.0	8.6	-	92	52	108	40	152	106	-	352	10000
7	18	60	29.0	5.6	7.7	.3	36	2.8	8.6	-	140	88	150	30	760	91	-	432	2400
7	25	60	32.0	9.1	7.8	5.9	103	5.3	-	-	189	300	192	20	3200	84	-	677	-
8	1	60	34.0	6.4	7.9	2.1	61	3.7	8.9	-	39	108	98	30	1030	37	-	230	15000
8	8	60	32.0	6.3	7.8	1.4	70	1.0	8.8	-	62	72	90	25	980	23	.0	315	10000
8	16	60	31.0	6.7	8.0	1.7	33	2.2	6.8	-	146	120	176	40	198	55	.1	490	-
8	22	60	29.0	8.2	8.0	2.6	13	2.4	10.9	-	110	126	174	25	123	45	.3	401	-
8	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42000
8	29	60	28.0	6.9	8.1	1.4	33	2.6	8.8	-	182	44	212	20	1030	93	.0	558	-
9	12	60	25.0	6.9	7.8	-	36	2.6	6.4	-	120	99	204	100	1110	72	.6	515	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARKANSAS RIVER, TULSA TO VAN BUREN

STATION LOCATION ARKANSAS RIVER NEAR FORT SMITH, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	19.0	11.4	7.6	3.4	73	1.2	6.6	.4	85	272	108	40	1760	10	-	348	46000
10	12	59	20.0	8.2	9.0	4.0	47	.9	2.8	.7	60	210	138	50	1525	20	-	409	5000
10	19	59	-	9.9	7.3	3.9	28	.9	2.8	.6	55	110	140	50	1130	37	-	386	6200
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7800
10	28	59	17.0	10.7	-	3.2	12	1.7	6.1	.4	57	54	110	60	145	32	-	252	-
6	6	60	23.5	6.4	7.5	2.6	23	.3	6.3	1.0	32	38	92	90	228	23	-	168	6600
6	13	60	26.0	8.7	7.4	4.7	28	1.3	5.3	1.5	43	40	80	120	206	19	-	198	-
6	20	60	27.0	6.2	7.6	.0	56	.6	4.9	.5	120	100	208	40	564	61	-	521	9200
6	27	60	27.0	6.9	7.7	5.0	26	.6	4.6	2.0	168	120	305	70	174	60	-	594	-
7	5	60	28.0	7.2	7.8	2.0	-	1.4	5.1	.5	252	145	409	30	210	80	-	796	5600
7	18	60	28.0	7.3	7.3	7.1	12	2.0	7.4	.6	190	142	342	15	2400	100	-	941	9300
8	8	60	30.0	5.9	6.8	5.9	231	3.1	7.8	4.0	47	98	220	28	2000	20	-	349	-
8	22	60	28.0	6.1	7.5	3.8	73	4.2	8.5	.7	182	256	258	45	3400	70	-	566	1800

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WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OKLAHOMA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	18.0	-	7.4	-	-	-	-	-	49	94	102	-	138	-	-	-	-
10	12	59	16.0	-	7.9	-	-	-	-	-	126	124	158	-	600	-	-	-	-
10	19	59	15.0	-	7.9	-	-	-	-	-	235	160	229	-	450	-	-	-	-
10	26	59	14.4	-	8.1	-	-	-	-	-	410	220	276	50	225	-	-	-	-
11	2	59	14.0	-	8.1	-	-	-	-	-	444	220	411	50	100	-	-	-	-
11	9	59	8.5	-	8.1	-	-	-	-	-	470	220	416	50	96	-	-	-	-
11	16	59	2.2	-	8.2	-	-	-	-	-	476	224	453	30	97	-	-	-	-
11	23	59	5.5	-	8.1	-	-	-	-	-	520	240	484	50	97	-	-	-	-
11	30	59	4.0	-	8.2	-	-	-	-	-	556	236	472	40	46	-	-	-	-
12	7	59	4.0	-	8.0	-	-	-	-	-	524	240	405	40	35	-	-	-	-
12	14	59	5.0	-	8.1	-	-	-	-	-	581	220	478	30	16	-	-	-	-
12	21	59	2.0	-	8.3	-	-	-	-	-	513	220	513	30	16	-	-	-	-
12	28	59	5.0	-	8.3	-	-	-	-	-	547	220	465	40	20	-	-	-	-
1	4	60	1.0	-	8.3	-	-	-	-	-	520	204	410	40	20	-	-	-	-
1	11	60	6.0	-	7.9	-	-	-	-	-	521	224	440	50	100	-	-	-	-
1	18	60	1.0	-	8.0	-	-	-	-	-	350	194	342	100	400	-	-	-	-
1	25	60	.0	-	8.1	-	-	-	-	-	408	230	376	20	100	-	-	-	-
2	1	60	4.0	-	7.9	-	-	-	-	-	401	208	376	20	200	-	-	-	-
2	8	60	4.0	-	7.9	-	-	-	-	-	410	140	252	50	500	-	-	-	-
2	15	60	2.0	-	7.9	-	-	-	-	-	316	128	316	50	400	-	-	-	-
2	22	60	2.0	-	8.0	-	-	-	-	-	444	220	354	80	150	-	-	-	-
2	29	60	.0	-	7.9	-	-	-	-	-	490	240	452	50	100	-	-	-	-
3	7	60	.0	-	7.9	-	-	-	-	-	521	248	448	50	90	-	-	-	-
3	14	60	4.0	-	7.9	-	-	-	-	-	358	200	350	10	500	-	-	-	-
3	21	60	6.0	-	7.7	-	-	-	-	-	196	140	222	30	1000	-	-	-	-
3	28	60	8.0	-	7.7	-	-	-	-	-	88	100	138	30	1000	-	-	-	-
4	4	60	11.0	-	7.9	-	-	-	-	-	212	152	262	30	1000	-	-	-	-
4	11	60	15.0	-	7.9	-	-	-	-	-	376	200	294	30	500	-	-	-	-
4	18	60	16.0	-	7.9	-	-	-	-	-	282	180	307	30	500	-	-	-	-
4	25	60	20.0	-	8.2	-	-	-	-	-	401	216	410	10	200	-	-	-	-
5	2	60	16.0	-	7.9	-	-	-	-	-	413	188	291	30	1000	-	-	-	-
5	9	60	17.0	-	7.8	-	-	-	-	-	102	96	109	20	1500	-	-	-	-
5	16	60	20.0	-	7.9	-	-	-	-	-	342	186	302	30	400	-	-	-	-
5	23	60	23.0	-	7.9	-	-	-	-	-	444	200	342	30	220	-	-	-	-
5	31	60	22.0	-	7.7	-	-	-	-	-	222	100	152	30	1000	-	-	-	-
6	6	60	24.0	-	8.3	-	-	-	-	-	350	180	287	30	500	-	-	-	-
6	13	60	28.0	-	7.7	-	-	-	-	-	239	120	205	25	800	-	-	-	-
6	27	60	26.0	-	7.9	-	-	-	-	-	196	120	200	50	700	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OKLAHOMA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	24.0	-	8.2	-	-	-	-	-	452	190	371	20	250	-	-	-	-
7	11	60	28.0	-	8.4	-	-	-	-	-	552	176	365	20	150	-	-	-	-
7	18	60	26.0	-	8.3	-	-	-	-	-	418	150	265	20	200	-	-	-	-
7	25	60	28.0	-	8.1	-	-	-	-	-	410	156	269	20	500	-	-	-	-
8	1	60	27.0	-	7.8	-	-	-	-	-	188	114	212	30	1000	-	-	-	-
8	8	60	26.0	-	8.3	-	-	-	-	-	410	160	285	30	400	-	-	-	-
8	15	60	26.0	-	8.2	-	-	-	-	-	306	148	232	20	200	-	-	-	-
8	22	60	27.0	-	8.1	-	-	-	-	-	324	146	242	20	200	-	-	-	-
8	29	60	25.0	-	7.9	-	-	-	-	-	51	90	94	30	1000	-	-	-	-
9	5	60	27.0	-	7.9	-	-	-	-	-	307	140	212	20	700	-	-	-	-
9	12	60	21.0	-	7.9	-	-	-	-	-	230	130	171	30	800	-	-	-	-
9	19	60	24.0	-	8.3	-	-	-	-	-	555	130	266	5	50	-	-	-	-
9	26	60	20.0	-	8.3	-	-	-	-	-	742	140	319	10	50	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	59	13.0	-	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	13	59	13.0	-	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	2	59	-	-	7.4	-	-	-	-	-	119	106	-	3	225	1980	-	3310	-
11	16	59	.0	-	8.1	-	-	-	-	-	306	152	1545	10	40	2400	-	3726	-
11	24	59	-	-	7.7	-	-	-	-	-	278	120	1442	5	*25	2400	-	3888	-
11	30	59	-	-	7.8	-	-	-	-	-	266	136	1463	5	35	2400	-	3904	-
12	7	59	4.0	-	8.2	-	-	-	-	-	262	164	1515	4	*25	2120	-	3892	-
12	14	59	.0	-	8.2	-	-	-	-	-	264	164	1560	4	20	2120	-	3510	-
12	30	59	.0	-	8.0	-	-	-	-	-	284	200	1550	3	40	2400	-	3736	-
1	4	60	2.0	-	8.0	-	-	-	-	-	316	136	1620	3	20	2400	-	4234	-
1	12	60	3.0	-	8.1	-	-	-	-	-	270	164	1490	0	70	2080	-	3928	-
1	18	60	.0	-	7.9	-	-	-	-	-	328	248	1710	5	75	2430	-	4478	-
1	25	60	.0	-	8.1	-	-	-	-	-	316	244	1610	5	40	2360	-	4320	-
2	16	60	.0	-	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	22	60	.0	-	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	1	60	.0	-	7.9	-	-	-	-	-	146	232	1860	5	25	2200	-	4080	-
3	7	60	.0	-	8.1	-	-	-	-	-	-	117	-	5	55	2000	-	3550	-
3	14	60	5.0	-	8.0	-	-	-	-	-	93	178	1240	15	2000	1630	-	2750	-
3	28	60	13.0	-	8.1	-	-	-	-	-	95	191	-	10	550	1630	-	2840	-
4	4	60	12.0	-	8.2	-	-	-	-	-	133	217	1520	5	150	1950	-	3950	-
4	13	60	10.0	-	8.1	-	-	-	-	-	143	194	1590	5	60	2100	-	4050	-
4	18	60	21.0	-	8.2	-	-	-	-	-	142	191	1430	5	48	2280	-	4070	-
4	26	60	14.5	-	8.1	-	-	-	-	-	159	240	1900	5	570	2000	-	4510	-
5	2	60	15.0	-	8.2	-	-	-	-	-	109	194	1260	5	220	1830	-	3180	-
5	9	60	21.0	-	8.1	-	-	-	-	-	79	183	1320	2	450	1650	-	2750	-
5	16	60	-	-	-	-	-	-	-	-	-	86	172	5	200	1750	.0	2740	-
5	31	60	24.0	-	8.1	-	-	-	-	-	116	191	1440	5	5	1800	.0	3400	-
6	8	60	22.0	-	8.0	-	-	-	-	-	122	208	1380	5	550	1775	.0	3990	-
6	13	60	20.0	-	8.1	-	-	-	-	-	94	206	1200	5	2000	1600	.0	2700	-
6	23	60	23.0	-	-	-	-	-	-	-	150	194	1590	5	200	2150	.1	3880	-
6	27	60	34.0	-	8.2	-	-	-	-	-	168	146	1720	5	5	2750	.0	4010	-
7	5	60	25.0	-	8.2	-	-	-	-	-	120	184	1330	5	380	1700	.1	3290	-
7	18	60	27.5	-	8.2	-	-	-	-	-	58	161	1000	5	600	1100	.0	2100	-
7	27	60	29.0	-	8.2	-	-	-	-	-	169	173	1560	5	5	2050	.0	3920	-
8	1	60	-	-	-	-	-	-	-	-	-	-	1580	-	-	1730	-	-	-
8	8	60	-	-	7.9	-	-	-	-	-	-	-	1600	-	-	1780	.1	4010	-
8	15	60	-	-	-	-	-	-	-	-	184	160	1560	5	5	2450	.0	4090	-
8	22	60	-	-	-	-	-	-	-	-	200	162	1600	5	5	2450	.0	4090	-
8	30	60	-	-	-	-	-	-	-	-	192	163	1620	5	5	2450	.0	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
9	12	60	29.0	-	8.2	-	-	-	-	-	206	134	1680	5	25	2275	.0	4270	-
9	19	60	28.0	-	7.8	-	-	-	-	-	204	149	1620	5	5	2300	.0	4120	-
9	27	60	22.5	-	7.8	-	-	-	-	-	200	163	1760	5	5	2325	.1	4140	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN CHATTACHOOCHEE RIVER

STATION LOCATION CHATTACHOOCHEE RIVER AT COLUMBUS, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	25.3	–	6.7	–	–	–	–	–	–	18	18	–	3	–	–	–	30
10	12	59	24.5	–	6.8	–	–	–	–	–	–	21	18	–	3	–	–	–	280
10	19	59	21.9	5.3	6.7	–	–	–	–	–	–	18	19	–	6	–	–	–	350
10	26	59	19.3	5.2	6.7	.4	–	–	–	–	–	20	14	–	10	–	–	–	1100
11	2	59	21.2	6.5	6.7	.4	52	–	–	–	4	18	18	–	7	–	–	–	760
11	9	59	16.2	7.5	6.9	.5	48	–	–	–	4	19	20	–	4	–	–	–	940
11	16	59	16.1	7.7	6.9	.4	26	1.2	2.9	–	4	20	16	–	3	–	–	–	390
11	23	59	15.1	8.3	6.9	.3	30	1.3	2.5	–	5	20	20	–	9	–	–	–	450
11	30	59	10.1	9.2	6.9	2.0	26	1.4	2.9	–	4	20	18	–	5	–	–	–	470
12	7	59	10.1	9.4	6.9	1.8	29	1.3	3.2	–	3	21	18	–	7	–	–	–	580
12	14	59	9.9	9.2	6.9	1.1	24	1.9	3.8	–	4	22	18	–	9	–	–	–	690
12	21	59	10.3	9.8	6.9	.9	23	2.2	4.2	–	4	23	18	–	10	–	–	–	760
12	28	59	10.8	9.1	6.9	1.2	33	2.3	4.6	–	3	22	16	–	5	–	–	–	1400
1	4	60	9.5	9.5	6.9	.8	30	1.9	3.2	–	3	21	18	–	13	–	–	–	870
1	11	60	8.9	11.0	6.9	1.6	37	1.2	3.0	–	3	17	16	–	–	–	–	–	500
1	18	60	10.2	9.8	6.9	.6	39	1.3	3.7	–	4	15	14	–	60	–	–	–	1300
1	25	60	7.9	10.7	6.9	1.3	29	1.3	3.9	–	4	16	16	–	90	–	–	–	1000
2	1	60	8.5	10.9	6.9	1.4	31	1.3	5.7	–	4	16	14	–	130	–	–	–	3800
2	8	60	9.2	11.5	6.9	1.2	33	1.2	3.7	–	3	12	14	–	130	–	–	–	2300
2	15	60	8.3	11.1	6.9	.4	34	1.2	3.2	–	3	12	16	–	75	–	–	–	1200
2	22	60	8.0	11.3	6.9	.3	53	.6	3.0	–	3	13	14	–	70	–	–	–	1300
2	29	60	8.8	11.0	6.9	.9	31	1.1	2.6	–	3	14	14	–	60	–	–	–	1600
3	7	60	9.0	11.8	6.9	.6	53	.9	2.6	–	3	14	14	–	60	–	–	–	1300
3	14	60	8.0	11.3	6.9	.3	26	1.4	2.9	–	3	14	16	–	40	–	–	–	2400
3	21	60	8.0	10.3	6.9	.6	25	1.5	2.8	–	3	13	14	–	70	–	–	–	2000
3	28	60	10.0	10.2	6.9	.4	21	1.1	1.9	–	2	15	12	–	30	–	–	–	860
4	4	60	15.5	9.7	6.7	.4	50	2.6	3.8	–	3	12	12	–	190	–	–	–	1200
4	11	60	15.0	9.7	6.7	.2	26	1.7	3.9	–	4	11	10	–	110	–	–	–	2100
4	18	60	16.0	9.3	6.9	.9	35	1.3	2.2	–	3	14	14	–	40	–	–	–	2000
4	25	60	18.9	8.3	6.9	.3	37	1.1	2.4	–	3	12	13	–	25	–	–	–	2100
5	2	60	20.0	8.5	6.9	1.5	19	.9	2.6	–	3	16	14	–	20	–	–	–	630
5	9	60	19.0	8.2	7.0	.7	22	1.0	1.9	–	3	15	14	–	18	–	–	–	780
5	16	60	20.0	9.0	7.1	2.6	23	.8	2.4	–	3	16	15	–	–	–	–	–	240
5	23	60	22.5	9.1	7.1	.9	20	1.1	2.7	–	3	18	14	–	11	–	–	–	80
5	30	60	24.5	8.0	7.1	1.4	17	1.3	3.2	–	3	18	14	–	7	–	–	–	19
6	6	60	25.0	7.6	7.1	1.5	19	1.4	2.7	–	3	19	14	–	7	–	–	–	220
6	13	60	26.0	7.2	7.0	1.6	18	1.9	3.9	–	4	18	15	–	7	–	–	–	100
6	20	60	26.2	5.9	6.8	.3	20	2.2	3.7	–	3	17	14	–	9	–	–	–	33
6	27	60	27.0	6.4	6.9	.5	19	1.3	3.7	–	4	18	14	–	9	–	–	–	31

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN CHATTAHOOCHEE RIVER

STATION LOCATION CHATTAHOOCHEE RIVER AT COLUMBUS, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	28.5	7.2	7.1	.7	18	1.1	3.9	-	4	19	14	-	9	-	-	-	45
7	11	60	28.0	4.7	7.0	1.2	16	1.4	3.9	-	4	19	14	-	9	-	-	-	47
7	18	60	28.0	5.9	6.9	.8	29	1.2	3.9	-	4	19	14	-	9	-	-	-	25
7	25	60	29.5	8.0	6.9	1.2	16	1.9	4.6	-	4	19	14	-	9	-	-	-	60
8	1	60	29.0	5.0	6.7	.4	17	1.6	4.1	-	4	18	14	-	9	-	-	-	8
8	8	60	28.5	4.8	6.6	1.9	19	2.2	4.4	-	4	19	14	-	-	-	-	-	170
8	15	60	27.5	5.4	6.7	1.3	26	2.4	4.9	-	4	19	14	-	16	-	-	-	260
8	22	60	27.5	3.8	6.6	1.8	16	2.7	4.6	-	4	18	12	-	17	-	-	-	29
8	29	60	27.5	7.4	6.9	.9	16	2.4	4.6	-	4	18	14	-	20	-	-	-	20
9	6	60	28.5	5.5	6.8	.9	15	2.6	4.9	-	4	18	12	-	7	-	-	-	-
9	12	60	27.0	7.3	7.1	1.6	15	2.8	4.9	-	4	17	10	-	-	-	-	-	130
9	15	60	25.5	6.3	6.4	1.6	-	-	-	-	5	17	19	60	77	3	-	58	-
9	19	60	26.5	7.2	7.1	1.5	17	2.9	5.6	-	4	18	14	-	11	-	-	-	80
9	26	60	25.0	6.9	7.0	1.6	16	2.9	5.9	-	4	18	14	-	11	-	-	-	40

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN CHATTAHOOCHEE RIVER

STATION LOCATION CHATTAHOOCHEE RIVER AT ATLANTA, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
5	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650
6	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
6	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2500
7	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450
7	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
7	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1800
7	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4000
8	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700
8	9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
8	17	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
8	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	850
8	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
9	7	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
9	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3600
9	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	19.5	-	8.0	-	-	-	-	-	140	136	310	-	38	-	-	-	-
10	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
10	19	59	19.5	-	8.0	-	-	-	-	-	141	140	344	-	24	-	-	-	410
10	26	59	22.5	-	8.0	-	-	-	-	-	141	140	340	-	23	-	-	-	900
11	9	59	16.0	-	8.0	-	-	-	-	-	141	140	340	-	26	-	-	-	400
11	16	59	17.5	-	-	-	-	-	-	-	162	142	356	-	22	-	-	-	530
11	30	59	12.0	-	8.0	-	-	-	-	-	155	154	324	-	28	-	-	-	1300
12	14	59	9.0	-	7.8	-	-	-	-	-	162	142	356	-	27	-	-	-	120
12	21	59	12.0	-	8.0	-	-	-	-	-	150	150	364	-	-	-	-	-	-
12	28	59	9.5	-	8.0	-	-	-	-	-	180	156	380	-	25	-	-	-	-
1	4	60	6.0	-	8.0	-	-	-	-	-	150	156	350	-	35	-	-	-	20
1	11	60	12.0	-	8.0	-	-	-	-	-	152	158	360	-	26	-	-	-	-
1	25	60	11.0	-	8.0	-	-	-	-	-	133	172	374	-	30	-	-	-	-
2	1	60	12.2	-	9.0	-	-	-	-	-	221	194	412	-	27	-	-	-	-
2	8	60	12.5	-	8.2	-	-	-	-	-	177	176	412	-	35	-	-	-	30
2	15	60	16.0	-	8.0	-	-	-	-	-	140	174	380	-	35	-	-	-	*10
2	29	60	13.0	-	8.0	-	-	-	-	-	135	146	344	-	32	-	-	-	290
3	7	60	16.0	-	8.2	-	-	-	-	-	158	158	380	-	35	-	-	-	330
3	11	60	20.5	-	8.0	-	-	-	-	-	112	158	340	-	38	-	-	-	-
3	14	60	16.0	-	8.2	-	-	-	-	-	162	142	376	-	27	-	-	-	430
3	21	60	17.0	-	8.0	-	-	-	-	-	121	144	360	-	21	-	-	-	200
3	28	60	18.0	-	8.0	-	-	-	-	-	123	130	350	-	32	-	-	-	3600
4	4	60	18.0	-	8.0	-	-	-	-	-	108	130	342	-	32	-	-	-	70
4	18	60	19.5	-	8.0	-	-	-	-	-	129	152	354	-	22	-	-	-	73
4	25	60	18.0	-	9.0	-	-	-	-	-	150	164	372	-	45	-	-	-	1600
5	2	60	20.0	-	8.0	-	-	-	-	-	138	156	356	-	25	-	-	-	150
5	9	60	22.0	-	8.0	-	-	-	-	-	192	170	400	-	13	-	-	-	130
5	16	60	22.0	-	8.2	-	-	-	-	-	200	168	416	-	25	-	-	-	60
5	23	60	20.0	-	8.2	-	-	-	-	-	185	166	420	-	16	-	-	-	840
5	31	60	22.5	-	8.2	-	-	-	-	-	140	160	360	-	14	-	-	-	-
6	6	60	26.0	-	8.0	-	-	-	-	-	140	174	362	-	32	-	-	-	120
6	13	60	25.0	-	8.0	-	-	-	-	-	133	170	354	-	27	-	-	-	62
6	20	60	27.0	-	8.0	-	-	-	-	-	132	165	356	-	32	-	-	-	200
6	27	60	26.5	-	8.0	-	-	-	-	-	133	150	352	-	35	-	-	-	8600
7	5	60	28.0	-	8.0	-	-	-	-	-	135	150	356	-	24	-	-	-	110
7	11	60	22.5	-	8.0	-	-	-	-	-	128	146	150	-	28	-	-	-	50
7	18	60	30.0	-	8.0	-	-	-	-	-	129	154	340	-	30	-	-	-	91
7	25	60	30.0	-	8.0	-	-	-	-	-	131	160	316	-	28	-	-	-	170

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	1	60	29.0	-	8.0	-	-	-	-	-	142	146	324	-	24	-	-	-	330
8	8	60	28.5	-	8.0	-	-	-	-	-	140	150	320	-	36	-	-	-	150
8	15	60	30.0	-	8.0	-	-	-	-	-	126	156	292	-	30	-	-	-	340
8	22	60	28.0	-	8.0	-	-	-	-	-	130	150	310	-	22	-	-	-	*100
8	29	60	26.5	-	8.0	-	-	-	-	-	138	140	302	-	26	-	-	-	160
9	6	60	29.0	-	8.0	-	-	-	-	-	150	146	290	-	45	-	-	-	-
9	12	60	29.5	-	8.0	-	-	-	-	-	145	152	328	-	25	-	-	-	-
9	19	60	25.0	-	8.0	-	-	-	-	-	180	170	354	-	22	-	-	-	230
9	26	60	24.0	-	8.0	-	-	-	-	-	205	178	426	-	30	-	-	-	400

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE CALIFORNIA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	2	59	23.3	-	7.7	-	-	-	-	-	58	120	300	2	5	250	-	618	-
10	14	59	22.2	-	7.4	-	-	-	-	-	66	126	312	2	5	250	-	604	-
10	21	59	21.8	-	-	-	-	-	-	-	69	127	-	-	-	-	-	-	-
10	28	59	21.8	-	7.7	-	-	-	-	-	68	110	309	2	5	282	-	684	-
11	4	59	19.4	-	7.8	-	-	-	-	-	65	109	330	2	5	252	-	642	-
11	11	59	18.3	-	7.3	-	-	-	-	-	75	120	332	2	5	264	-	586	-
11	16	59	17.8	-	7.7	-	-	-	-	-	144	120	321	-	-	240	-	636	-
11	25	59	16.7	-	-	-	-	-	-	-	65	123	-	-	-	-	-	-	-
12	2	59	15.5	-	8.0	-	-	-	-	-	142	128	340	10	25	254	-	772	-
12	9	59	13.9	-	8.3	-	-	-	-	-	146	128	321	10	5	248	-	659	-
12	17	59	12.2	-	8.3	-	-	-	-	-	140	127	313	10	5	258	-	650	-
12	24	59	12.2	-	8.1	-	-	-	-	-	138	125	310	2	*5	264	-	650	-
12	30	59	11.1	-	8.0	-	-	-	-	-	140	127	317	5	5	240	-	620	-
1	6	60	9.4	-	8.1	-	-	-	-	-	144	124	-	-	-	-	-	570	-
1	16	60	9.4	-	8.2	-	-	-	-	-	67	127	280	0	-	225	-	647	-
2	17	60	11.1	-	-	-	-	-	-	-	60	126	304	5	25	300	-	649	-
2	24	60	10.6	-	-	-	-	-	-	-	66	117	-	-	-	-	-	642	-
3	2	60	11.0	-	7.9	-	-	-	-	-	56	120	332	5	25	305	-	636	-
3	9	60	12.2	-	7.8	-	-	-	-	-	65	123	352	5	25	310	-	636	-
3	16	60	15.0	-	8.1	-	-	-	-	-	63	119	300	5	25	250	-	637	-
3	23	60	15.5	-	7.9	-	-	-	-	-	64	125	312	5	25	250	-	633	-
3	30	60	17.8	-	8.0	-	-	-	-	-	63	125	328	5	25	315	-	640	-
4	6	60	18.3	-	-	-	-	-	-	-	66	122	316	5	25	335	-	667	-
4	13	60	20.5	-	-	-	-	-	-	-	68	123	310	5	25	320	-	669	-
4	20	60	20.5	-	-	-	-	-	-	-	73	125	332	5	5	245	-	675	-
4	27	60	19.4	-	-	-	-	-	-	-	68	126	344	5	5	245	-	695	-
5	4	60	20.0	-	-	-	-	-	-	-	68	128	316	5	5	265	.0	668	-
5	16	60	22.8	-	-	-	-	-	-	-	70	128	-	5	5	260	-	716	-
5	26	60	23.9	-	-	-	-	-	-	-	68	132	328	5	5	260	-	690	-
6	1	60	24.4	-	-	-	-	-	-	-	68	132	332	5	5	280	-	700	-
6	8	60	26.7	-	-	-	-	-	-	-	75	126	320	5	5	290	-	698	-
6	15	60	26.7	-	-	-	-	-	-	-	74	129	332	5	5	295	.0	701	-
6	22	60	26.7	-	-	-	-	-	-	-	64	128	328	5	5	280	.0	693	-
6	29	60	27.2	-	8.1	-	-	-	-	-	66	127	324	5	5	225	.1	-	-
7	6	60	26.7	-	-	-	-	-	-	-	76	128	352	5	5	265	.0	712	-
7	15	60	27.2	-	-	-	-	-	-	-	68	128	364	5	5	265	.0	697	-
7	20	60	-	-	8.0	-	-	-	-	-	82	132	320	5	5	225	.3	714	-
7	27	60	-	-	8.3	-	-	-	-	-	80	124	320	5	5	242	.1	721	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE CALIFORNIA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	3	60	-	-	-	-	-	-	-	-	80	122	316	5	5	265	.0	669	-
8	10	60	28.3	-	-	-	-	-	-	-	87	127	372	5	5	350	.0	672	
8	17	60	28.9	-	7.7	-	-	-	-	-	78	128	320	5	5	285	.0	698	-
8	31	60	27.8	-	7.6	-	-	-	-	-	81	122	320	5	5	275	.0	726	-
9	7	60	27.8	-	7.7	-	-	-	-	-	80	103	316	5	5	295	.0	770	-
9	14	60	27.2	-	7.9	-	-	-	-	-	86	118	320	5	5	280	.0	675	-
9	21	60	26.7	-	7.9	-	-	-	-	-	79	125	336	5	5	295	.0	691	-
9	28	60	26.7	-	7.9	-	-	-	-	-	78	126	312	5	5	295	.0	800	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	16.0	6.2	7.9	-	-	2.5	4.5	.0	64	120	202	-	-	210	-	-	*1
10	13	59	16.5	5.9	7.8	-	-	2.6	4.5	.0	64	120	202	-	-	211	-	-	2
10	20	59	16.0	6.2	7.8	-	-	2.8	6.4	.0	60	122	204	-	-	214	-	-	*1
10	27	59	15.0	7.6	7.9	-	-	2.5	4.4	.0	62	118	208	-	-	206	-	600	1
11	3	59	15.5	7.2	7.9	-	-	2.9	5.6	.0	62	118	304	-	-	209	-	-	*1
11	10	59	15.0	12.0	7.9	-	-	2.4	-	.0	64	120	300	-	-	206	-	600	1
11	17	59	15.0	9.0	7.9	-	-	2.4	4.5	.0	60	118	290	-	-	215	-	-	1
11	24	59	15.0	10.7	7.8	-	-	2.5	4.7	.0	62	120	294	-	-	207	-	-	3
12	1	59	14.7	6.0	7.8	-	-	2.6	4.9	.0	60	104	296	-	-	214	-	700	*1
12	8	59	14.0	5.6	7.8	-	-	2.5	4.9	.0	62	114	308	-	-	211	-	700	*1
12	15	59	14.0	5.6	7.9	-	-	2.7	4.8	.0	60	120	320	-	-	222	-	-	1
12	22	59	13.8	5.7	7.8	-	-	2.7	4.5	.0	64	124	304	-	-	226	-	-	*1
12	29	59	13.5	5.7	7.9	-	-	2.6	4.7	.0	66	124	304	-	-	206	-	-	130
1	5	60	13.0	6.0	7.9	-	-	2.7	4.6	.0	66	120	332	-	-	208	-	-	1
1	12	60	13.0	10.2	7.9	-	-	2.6	4.6	.0	66	120	300	-	-	214	-	500	1
1	19	60	12.8	10.1	9.0	-	-	2.7	4.7	.0	66	118	300	-	-	211	-	600	*1
1	26	60	13.0	9.4	7.9	-	-	2.7	4.6	.0	68	128	312	-	-	214	-	-	1
2	2	60	13.0	9.4	8.0	-	-	2.7	4.7	.0	66	124	302	-	-	214	-	-	*1
2	9	60	13.5	6.7	7.9	-	-	2.7	4.7	.0	70	118	316	-	-	218	-	-	2
2	16	60	13.5	7.6	7.9	-	-	2.7	4.9	.0	72	126	312	-	-	204	-	-	*1
2	23	60	13.0	8.0	7.9	-	-	2.6	4.9	.0	76	124	316	-	-	222	-	-	1
3	1	60	13.0	8.4	8.0	-	-	2.7	4.7	.0	78	126	310	-	-	220	-	700	*1
3	8	60	14.0	8.5	8.0	-	-	2.7	4.8	.0	72	126	312	-	-	214	-	700	*1
3	15	60	14.0	8.5	8.0	-	-	2.7	4.8	.0	74	120	320	-	-	218	-	-	2
3	22	60	14.5	8.2	8.0	-	-	2.7	5.0	.0	80	130	322	-	-	218	-	-	1
4	12	60	15.0	8.5	8.0	-	-	2.7	4.7	.0	82	110	326	-	-	215	-	-	*1
4	19	60	15.5	8.3	8.0	-	-	2.7	4.8	.0	80	130	324	-	-	220	-	-	*1
4	26	60	15.0	8.3	8.0	-	-	2.8	4.6	.0	78	128	322	-	-	220	-	-	2
5	3	60	15.1	8.3	8.0	-	-	2.5	4.3	.0	76	126	336	-	-	223	-	700	5
5	10	60	15.5	8.0	8.0	-	-	2.6	4.7	.0	78	120	320	-	-	223	-	700	3
5	17	60	14.5	8.3	8.0	-	-	2.6	4.4	.0	70	126	322	-	-	219	-	700	*1
5	24	60	13.5	8.1	8.0	-	-	2.7	4.5	.0	76	132	318	-	-	221	-	700	*1
5	31	60	14.0	8.3	8.0	-	-	2.6	4.5	.0	76	120	324	-	-	216	-	50	*1
6	7	60	15.0	8.2	8.1	-	-	2.6	4.4	.0	76	124	332	-	-	220	-	700	1
6	14	60	15.0	8.6	8.0	-	-	2.8	4.8	.0	80	122	318	-	-	216	-	-	4
6	21	60	14.5	8.2	8.0	-	-	2.7	4.6	.0	74	128	326	-	-	224	-	-	*1
6	28	60	15.0	7.9	8.1	-	-	2.8	4.7	.0	76	122	342	-	-	223	-	-	*1

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	15.0	7.7	8.0	-	-	2.8	4.6	.0	78	130	332	-	-	224	-	700	*1
7	12	60	15.0	7.9	8.1	-	-	2.8	4.5	.0	76	128	342	-	-	226	-	600	*1
7	19	60	15.0	7.9	8.0	-	-	2.2	4.6	.0	76	116	332	-	-	224	-	700	2
7	26	60	15.5	7.5	8.0	-	-	2.7	4.5	.0	76	126	326	-	-	223	-	-	1
8	2	60	15.0	7.6	8.0	-	-	2.8	4.5	.0	74	126	322	-	-	225	-	-	2
8	9	60	15.0	7.7	8.1	-	-	2.7	4.3	.0	76	120	328	-	-	214	-	700	*1
8	16	60	15.5	7.6	8.0	-	-	2.7	4.4	.0	76	126	320	-	-	218	-	600	15
8	23	60	15.0	7.8	8.1	-	-	2.7	4.3	.0	76	130	330	-	-	221	-	700	1
8	30	60	15.0	7.6	8.0	-	-	2.7	4.4	.0	74	116	324	-	-	224	-	-	1
9	6	60	14.0	7.6	8.0	-	-	2.7	4.4	.0	74	126	328	-	-	223	-	700	1
9	13	60	15.0	6.7	8.0	-	-	2.9	4.5	.0	76	126	328	-	-	214	-	-	*1
9	20	60	15.0	7.1	8.0	-	-	2.8	4.6	.0	78	128	326	-	-	213	-	-	*1
9	27	60	15.5	6.8	8.0	-	-	2.8	4.7	.0	76	128	330	-	-	215	-	-	*1

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN MIDDLE COLORADO RIVER

STATION LOCATION COLORADO RIVER AT

PAGE, ARIZONA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
11	23	59	5.1	-	8.0	-	-	-	-	-	108	-	-	15	550	-	-	-	*200
11	30	59	2.5	-	8.1	-	-	-	-	-	100	-	-	6	500	-	-	-	*100
12	7	59	.5	-	8.2	-	-	-	-	-	98	-	-	5	390	-	-	-	-
12	14	59	2.5	-	8.2	-	-	-	-	-	122	-	-	6	450	-	-	-	-
12	21	59	4.0	-	8.1	-	-	-	-	-	137	-	-	6	500	-	-	-	-
12	28	59	3.0	-	8.0	-	-	-	-	-	113	-	-	8	1000	-	-	-	-
1	4	60	.0	-	8.1	-	-	-	-	-	144	-	-	8	1000	-	-	-	-
1	11	60	.0	-	8.1	-	-	-	-	-	137	-	-	11	300	-	-	-	*100
1	18	60	.0	-	8.1	-	-	-	-	-	144	-	-	9	800	-	-	-	-
2	1	60	2.4	-	8.1	-	-	-	-	-	135	-	434	8	410	-	-	-	-
2	8	60	2.5	-	8.1	-	-	-	-	-	122	-	409	10	700	-	-	-	-
2	15	60	3.0	-	8.0	-	-	-	-	-	124	-	410	8	800	-	-	-	100
2	22	60	2.6	-	8.0	-	-	-	-	-	111	-	446	5	600	-	-	-	-
2	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
2	29	60	4.9	-	8.0	-	-	-	-	-	122	-	407	7	320	-	-	-	*100
3	7	60	8.9	-	7.9	-	-	-	-	-	106	-	424	80	380	-	-	-	200
3	15	60	7.7	-	7.6	-	-	-	-	-	115	-	352	20	5000	-	-	-	1000
3	21	60	.2	-	7.8	-	-	-	-	-	84	-	402	7	3600	-	-	-	2000
3	28	60	10.4	-	7.9	-	-	-	-	-	94	-	440	10	3200	-	-	-	-
4	4	60	11.0	-	7.9	-	-	-	-	-	39	-	330	80	550	-	-	-	500
4	11	60	15.3	-	8.1	-	-	-	-	-	41	-	260	-	2000	-	-	-	-
4	18	60	12.4	-	8.0	-	-	-	-	-	48	-	172	8	5600	-	-	-	1900
4	25	60	10.2	-	7.7	-	-	-	-	-	50	-	194	8	900	-	-	-	3400
5	2	60	10.4	-	7.9	-	-	-	-	-	22	-	208	80	650	-	-	-	1500
5	9	60	18.5	-	8.3	-	-	-	-	-	36	-	236	25	700	-	-	-	-
5	16	60	19.8	-	8.1	-	-	-	-	-	38	-	236	15	650	-	-	-	-
5	23	60	16.5	-	7.8	-	-	-	-	-	39	-	232	8	900	-	-	-	-
5	31	60	19.5	-	8.5	-	-	-	-	-	24	96	188	9	400	-	-	-	-
6	6	60	22.2	-	8.4	-	-	-	-	-	23	84	180	6	480	-	-	-	-
6	13	60	19.9	-	8.4	-	-	-	-	-	18	97	158	5	600	-	-	-	-
6	20	60	25.0	-	8.4	-	-	-	-	-	21	94	196	7	580	-	-	-	-
6	27	60	23.0	-	7.9	-	-	-	-	-	18	89	206	8	280	-	-	-	-
7	6	60	25.7	-	8.1	-	-	-	-	-	17	103	220	5	360	-	-	-	-
7	7	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300
7	11	60	27.7	-	8.3	-	-	-	-	-	23	108	280	10	380	-	-	-	800
7	18	60	28.2	-	8.4	-	-	-	-	-	32	120	316	8	390	-	-	-	-
7	25	60	26.6	-	8.2	-	-	-	-	-	75	109	330	10	-	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN MIDDLE COLORADO RIVER

STATION LOCATION COLORADO RIVER AT PAGE, ARIZONA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	1	60	27.0	-	8.3	-	-	-	-	-	78	133	368	9	-	-	-	-	1000
8	8	60	28.0	-	8.3	-	-	-	-	-	90	164	370	9	600	-	-	-	2700
8	15	60	25.3	-	8.0	-	-	-	-	-	128	157	552	9	600	-	-	-	-
8	22	60	21.7	-	8.0	-	-	-	-	-	120	154	532	9	550	-	-	-	-
8	29	60	22.2	-	8.2	-	-	-	-	-	40	170	490	20	900	-	-	-	-
9	6	60	23.8	-	8.0	-	-	-	-	-	151	268	644	50	2700	-	-	-	1800
9	12	60	23.9	-	8.2	-	-	-	-	-	139	220	580	10	650	-	-	-	-
9	19	60	21.5	-	8.1	-	-	-	-	-	144	242	746	-	1700	-	-	-	3600
9	26	60	19.0	-	8.1	-	-	-	-	-	130	220	580	9	850	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE COLORADO

MAJOR BASIN COLORADO RIVER

SUB BASIN UPPER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT LOMA, COLORADO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	11.0	7.6	8.1	1.2	-	-	-	.8	128	192	560	-	210	540	-	-	-
10	12	59	13.0	7.5	8.0	1.3	-	-	-	.5	112	185	524	-	87	472	-	-	-
11	9	59	4.5	9.5	8.2	2.3	-	-	-	.8	90	180	454	-	29	404	-	-	160
11	16	59	8.0	9.8	8.1	3.0	-	-	-	1.6	120	173	442	-	13	404	-	-	150
11	23	59	4.0	8.9	8.2	1.5	-	-	-	1.8	140	173	410	-	12	392	-	-	-
11	30	59	2.0	10.1	8.2	2.9	-	-	-	.8	97	187	470	-	20	404	-	-	2
12	28	59	3.0	8.9	8.2	1.9	-	-	-	1.6	152	187	454	-	58	392	-	-	38
1	5	60	3.0	10.1	8.0	3.9	-	-	-	1.7	126	203	508	-	42	440	-	1198	50
1	11	60	1.0	10.7	8.1	4.1	-	-	-	1.3	153	178	266	-	45	404	-	1012	43
1	25	60	.5	10.1	8.1	3.1	-	-	-	1.9	320	180	302	-	39	380	-	1000	120
2	1	60	1.0	10.4	8.2	2.8	-	-	-	1.9	150	174	312	-	23	360	-	1084	65
2	8	60	2.0	9.5	8.1	-	-	-	-	2.2	166	175	285	-	24	344	-	1042	55
2	23	60	2.0	10.1	8.1	2.5	-	-	-	1.6	164	170	407	-	20	352	-	992	340
3	7	60	6.0	7.8	8.1	.2	-	-	-	1.1	160	162	245	-	245	326	-	933	-
3	21	60	9.0	7.8	8.2	-	-	-	-	2.0	158	185	340	-	560	350	-	1002	300
6	6	60	19.0	7.8	8.0	2.8	-	-	-	.4	40	70	132	-	360	92	-	282	6
6	13	60	19.0	7.0	7.9	-	-	-	-	.2	44	97	144	-	82	120	-	-	50
6	20	60	21.0	7.0	8.0	.8	-	-	-	.3	56	80	140	-	170	108	-	285	*1
7	5	60	21.0	6.0	8.2	1.1	-	-	-	.1	82	127	183	-	33	260	-	640	2
7	25	60	23.0	5.4	8.3	-	-	-	-	.9	170	160	542	-	64	496	-	1177	70
8	8	60	24.0	5.9	8.2	-	-	-	-	.2	165	190	648	-	115	592	-	1352	-
9	6	60	21.0	5.1	8.1	-	-	-	-	.3	170	190	824	-	92	568	-	1734	-
9	12	60	19.0	6.0	8.2	2.6	-	-	-	.2	164	224	796	-	78	700	-	1734	22
9	19	60	17.0	6.2	8.2	2.6	-	-	-	.2	165	200	724	-	155	625	-	1673	7

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT CLATSKANIE, OREGON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	–	–	7.7	–	–	–	–	–	5	60	64	–	–	–	–	–	–
10	19	59	14.0	–	7.5	–	–	–	–	–	–	–	62	–	–	–	–	–	–
10	27	59	–	9.4	7.8	1.1	–	–	–	.0	4	51	52	17	10	16	–	94	2300
12	1	59	–	11.2	–	1.3	–	.7	–	.0	4	–	75	6	4	16	–	–	1900
1	5	60	4.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	680
1	6	60	3.8	11.4	7.4	1.7	–	–	–	.0	6	55	72	7	4	–	–	120	–
1	18	60	3.0	–	7.7	–	–	–	–	–	–	–	66	–	–	–	–	43	–
1	25	60	2.1	–	7.3	–	–	–	–	–	–	–	–	–	–	–	–	132	–
2	1	60	4.5	–	7.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2	9	60	–	11.6	7.2	–	–	–	–	–	–	48	60	–	–	–	–	–	–
2	15	60	6.5	–	7.8	–	–	–	–	–	–	45	72	17	7	–	–	–	410
2	23	60	5.5	–	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–
3	7	60	3.0	–	7.2	–	–	–	–	–	3	–	–	–	–	24	–	–	–
3	8	60	3.5	11.0	7.5	1.9	11	.9	1.8	.5	6	56	–	15	–	21	–	–	–
3	14	60	6.0	–	–	–	–	–	–	–	4	46	62	15	7	20	–	–	110
3	21	60	7.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	64	–
4	5	60	8.5	11.9	7.6	1.9	11	–	–	–	–	53	–	–	–	–	–	–	–
4	11	60	11.0	–	–	–	–	–	–	.1	3	20	28	10	20	15	–	100	780
4	18	60	9.0	–	–	–	–	–	–	–	–	–	64	–	–	16	–	–	–
4	24	60	9.0	12.4	7.0	2.3	15	–	–	.1	4	24	56	12	9	14	–	93	–
4	26	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	94	–
5	2	60	12.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	270
5	10	60	13.2	–	–	–	–	–	–	–	–	–	36	–	–	12	–	–	–
5	16	60	14.0	–	–	–	–	–	–	–	–	39	–	–	–	–	–	–	–
5	23	60	11.0	–	–	–	–	–	–	–	3	–	68	–	5	11	–	–	–
5	31	60	–	–	–	–	–	–	–	–	–	–	–	–	–	11	–	–	–
6	6	60	16.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
6	13	60	15.5	–	–	–	–	–	–	–	–	–	96	–	–	–	–	–	4500
6	20	60	15.3	–	–	–	–	–	–	–	–	40	–	–	–	–	–	–	–
6	28	60	16.7	–	7.4	–	11	–	–	.0	3	40	50	8	10	13	.0	123	2900
7	5	60	–	–	–	–	–	–	–	–	2	40	68	5	5	9	–	–	–
7	18	60	19.5	–	7.8	–	–	–	–	–	–	60	–	–	–	1	.0	–	–
7	26	60	–	8.5	8.0	1.1	–	–	–	.1	55	55	–	4	18	15	–	76	7000
8	1	60	–	–	7.5	–	–	–	–	–	3	60	60	–	–	–	–	–	–
8	8	60	21.0	–	7.8	–	–	–	–	–	3	60	68	–	–	18	–	77	–
8	15	60	–	–	–	–	–	–	–	–	–	–	–	84	–	–	–	–	–
8	22	60	19.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8	30	60	19.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	15.2	11.3	8.1	.7	8	.7	1.8	.1	4	65	72	5	5	17	-	117	56
10	12	59	13.8	11.5	7.8	.7	5	.4	1.8	.1	4	58	70	5	5	14	-	97	120
10	19	59	14.0	10.9	7.8	.7	5	1.1	1.8	.2	4	61	72	5	5	17	-	155	25
10	26	59	13.9	11.4	7.8	1.4	4	.4	1.8	.2	5	49	68	10	10	16	-	111	43
11	2	59	11.7	11.0	8.0	.6	11	.9	2.1	.6	4	58	62	5	5	14	-	111	110
11	9	59	9.0	11.2	7.8	.6	10	.7	1.4	.3	4	57	64	5	5	15	-	113	40
11	23	59	7.8	11.8	7.5	.7	3	.7	1.6	.2	4	56	62	5	5	12	-	101	120
11	30	59	7.8	11.9	7.4	.5	7	.7	1.4	.2	4	60	66	5	5	14	.1	130	-
12	14	59	5.0	12.0	7.4	.8	7	.7	1.5	.2	3	58	68	5	5	13	.1	110	20
1	4	60	3.2	12.5	7.3	.4	6	.6	1.1	.2	4	61	74	5	5	14	.1	111	46
1	18	60	.8	13.2	7.7	.4	6	.4	1.4	.4	5	72	78	5	5	14	.1	138	8
1	25	60	.8	13.9	8.0	.5	4	.4	.7	.4	5	71	74	5	5	11	.1	130	25
2	23	60	4.2	12.5	7.9	.9	6	.7	2.5	.3	4	62	70	20	20	19	.1	96	-
2	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
3	7	60	2.1	13.1	8.0	1.1	5	.4	1.1	.5	5	67	80	5	5	19	.1	134	24
3	21	60	6.2	11.9	7.4	.6	5	1.1	2.3	.4	5	71	82	10	41	20	.1	160	28
4	4	60	8.8	12.5	7.5	1.1	9	1.4	2.9	.2	3	45	54	10	32	14	.1	104	60
4	18	60	7.9	12.5	7.6	.9	11	1.1	2.2	.4	5	46	60	10	15	15	.2	91	-
5	9	60	13.9	11.7	7.5	1.8	9	1.1	2.7	.1	2	54	58	10	15	12	.1	102	-
5	10	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
5	23	60	11.1	12.3	7.3	1.2	-	1.0	2.0	.1	2	47	56	5	10	12	.0	89	-
6	13	60	15.0	11.1	7.4	.7	10	1.0	2.0	.2	2	43	50	10	10	12	.0	87	150
6	27	60	16.1	10.6	7.8	1.2	5	.7	2.3	.2	2	46	54	5	8	10	.0	95	670
7	11	60	18.0	10.1	7.9	.7	5	.7	2.2	.2	2	49	60	5	5	10	.0	88	170
7	25	60	21.6	9.7	8.0	1.6	5	.9	2.5	.3	2	49	62	7	7	11	.0	71	1900
8	8	60	22.5	9.2	7.7	2.0	8	1.3	2.9	.2	2	55	66	10	10	14	.0	62	29
8	22	60	19.0	8.9	8.0	1.5	7	.9	2.5	.2	3	60	68	5	5	13	.0	60	5800
9	12	60	18.3	9.5	8.3	.9	7	.9	2.9	.1	3	68	72	5	5	15	.0	109	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
11	12	59	5.0	11.6	7.9	2.0	-	.8	1.3	-	-	62	76	7	3	-	-	-	-
11	19	59	7.0	11.5	7.7	1.9	-	-	-	-	-	64	76	20	20	-	-	-	-
11	26	59	7.0	11.8	7.8	2.3	-	.8	1.3	-	-	60	80	15	10	-	-	-	-
12	7	59	8.0	12.0	7.7	2.2	-	1.0	1.5	-	-	70	72	4	4	-	-	-	-
12	14	59	9.0	12.0	7.8	2.7	-	.8	1.0	-	-	65	74	3	3	-	-	-	-
12	21	59	7.0	11.9	7.8	2.2	-	.8	1.0	-	-	68	72	4	4	-	-	-	-
12	28	59	7.0	11.3	-	1.7	-	.8	1.0	-	-	62	72	4	3	-	-	-	-
1	4	60	5.0	12.3	7.9	2.1	-	.7	1.2	-	-	64	74	4	3	-	-	-	-
1	11	60	4.0	11.1	7.9	1.0	-	.7	1.0	-	-	64	74	5	3	-	-	-	-
1	18	60	-	12.0	7.9	1.8	-	.7	1.0	-	-	63	72	4	3	-	-	-	-
1	25	60	4.0	13.3	7.9	.9	-	.7	1.0	-	-	61	72	3	3	-	-	-	-
2	1	60	5.0	12.2	7.9	1.2	-	.7	1.0	-	-	71	74	5	4	-	-	-	-
2	8	60	4.0	12.2	7.9	2.5	-	.7	.9	-	-	73	72	4	5	-	-	-	-
2	15	60	5.0	12.7	8.0	2.5	-	.7	1.0	-	-	75	74	5	8	-	-	-	-
2	22	60	5.0	12.7	-	2.7	-	.8	1.0	-	-	74	79	8	5	-	-	-	-
2	29	60	5.0	12.5	7.9	2.6	-	.7	1.0	-	-	75	76	4	2	-	-	-	-
3	7	60	4.0	13.1	7.7	2.2	-	.7	1.0	-	-	77	80	5	3	-	-	-	-
3	14	60	5.0	12.8	8.1	3.1	-	.7	1.0	-	-	71	76	4	3	-	-	-	-
3	21	60	8.0	12.6	8.0	3.0	-	.7	1.0	-	-	75	78	4	5	-	-	-	-
3	28	60	7.0	12.9	-	3.1	-	.7	1.2	-	-	75	76	8	4	-	-	-	-
4	4	60	7.0	12.8	7.9	2.8	-	.7	1.2	-	-	75	78	7	14	-	-	-	-
4	11	60	7.0	12.9	7.9	2.7	-	.7	1.2	-	-	79	78	5	14	-	-	-	-
4	18	60	7.0	13.0	7.9	2.5	-	1.0	1.2	-	-	82	78	3	10	-	-	-	-
4	25	60	9.0	12.6	7.9	2.9	-	1.0	1.2	-	-	79	78	9	9	-	-	-	-
5	2	60	11.0	10.6	8.0	1.1	-	1.0	1.2	-	-	77	72	6	5	-	-	-	-
5	9	60	12.0	11.6	8.1	1.6	-	1.0	1.2	-	-	68	68	4	5	-	-	-	-
5	16	60	10.0	12.1	8.1	1.8	-	1.0	1.5	-	-	68	68	7	7	-	-	-	-
5	23	60	11.0	11.8	8.1	2.0	-	1.2	1.7	-	-	71	74	7	5	-	-	-	-
5	30	60	12.0	11.5	8.1	2.0	-	1.2	1.7	-	-	63	74	8	6	-	-	-	-
6	6	60	13.0	11.2	8.0	.4	-	1.2	1.7	-	-	63	62	7	10	-	-	-	-
6	13	60	13.0	12.1	-	2.3	-	1.2	1.7	-	-	66	68	6	6	-	-	-	-
6	20	60	14.0	11.3	8.0	.5	-	1.2	1.7	-	-	63	66	5	7	-	-	-	-
6	27	60	14.0	10.5	8.1	1.7	-	1.2	1.7	-	-	72	62	5	5	-	-	-	-
7	4	60	16.0	10.8	8.0	1.7	-	1.7	2.0	-	-	69	68	5	5	-	-	-	-
7	11	60	16.0	10.5	8.1	1.5	-	1.5	2.0	-	-	78	72	5	5	-	-	-	-
7	18	60	18.0	9.9	-	.6	-	1.5	2.0	-	-	80	66	5	5	-	-	-	-
7	25	60	17.0	10.6	8.2	1.5	-	1.5	1.7	-	-	70	64	6	4	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLOEINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	1	60	19.0	9.9	8.3	1.0	-	2.0	2.2	-	-	71	66	4	3	-	-	-	-
8	8	60	20.0	9.3	8.4	.4	-	2.0	2.2	-	-	72	66	6	4	-	-	-	-
8	15	60	20.0	9.4	8.5	.5	-	2.0	2.2	-	-	72	68	5	3	-	-	-	-
8	22	60	18.0	9.3	8.4	.4	-	2.0	2.2	-	-	72	68	5	3	-	-	-	-
8	29	60	18.0	9.4	8.4	.4	-	1.2	1.5	-	-	71	66	5	4	-	-	-	-
9	5	60	19.0	9.4	8.5	.6	-	1.7	2.0	-	-	70	66	8	2	-	-	-	-
9	12	60	18.0	9.4	8.6	.3	-	1.5	1.7	-	-	73	68	10	2	-	-	-	-
9	19	60	18.0	9.0	8.5	.2	-	1.2	1.5	-	-	70	66	8	2	-	-	-	-
9	26	60	18.0	9.9	8.3	.5	-	1.5	1.7	-	-	69	66	9	2	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER ABOVE YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	16.0	-	7.9	-	-	-	-	-	-	54	59	-	-	-	-	70	-
10	12	59	14.5	-	7.9	-	-	-	-	-	-	56	66	-	-	-	-	56	-
10	19	59	14.5	-	8.0	-	-	-	-	-	-	52	60	-	-	-	-	89	-
10	27	59	13.5	-	7.8	-	-	-	-	-	-	50	60	-	-	-	-	76	-
11	2	59	12.7	-	8.0	-	-	-	-	-	-	56	65	-	-	-	-	113	-
11	9	59	11.8	-	8.0	-	-	-	-	-	-	57	66	-	-	-	-	73	-
11	16	59	8.5	-	8.1	-	-	-	-	-	-	59	64	-	-	-	-	84	-
11	23	59	9.5	-	8.1	-	-	-	-	-	-	58	61	-	-	-	-	66	-
11	30	59	8.9	-	8.0	-	-	-	-	-	-	57	65	-	-	-	-	94	-
12	7	59	7.8	-	8.1	-	-	-	-	-	-	61	68	-	-	-	-	89	-
12	14	59	7.2	-	8.1	-	-	-	-	-	-	61	68	-	-	-	-	93	-
12	21	59	6.9	-	7.9	-	-	-	-	-	-	60	63	-	-	-	-	92	-
12	28	59	5.7	-	7.5	-	-	-	-	-	-	60	64	-	-	-	-	103	-
1	4	60	4.3	-	7.4	-	-	-	-	-	-	61	66	-	-	-	-	103	-
1	11	60	4.4	-	8.0	-	-	-	-	-	-	62	68	-	-	-	-	84	-
1	18	60	3.9	-	7.8	-	-	-	-	-	-	59	69	-	-	-	-	72	-
1	25	60	3.4	-	7.8	-	-	-	-	-	-	59	67	-	-	-	-	104	-
2	1	60	3.1	-	7.8	-	-	-	-	-	-	59	57	-	-	-	-	96	-
2	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*30
2	8	60	2.8	-	7.9	-	-	-	-	-	-	61	70	-	-	-	-	100	-
2	10	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*3
2	15	60	3.0	-	7.6	-	-	-	-	-	-	62	71	-	-	-	-	85	-
2	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130
2	22	60	3.0	-	7.8	-	-	-	-	-	-	62	72	-	-	-	-	91	-
2	24	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*30
2	29	60	2.5	-	7.9	-	-	-	-	-	-	63	74	-	-	-	-	111	-
3	7	60	2.7	-	7.8	-	-	-	-	-	-	62	72	-	-	-	-	90	-
3	14	60	3.7	-	7.9	-	-	-	-	-	-	62	73	-	-	-	-	106	-
3	21	60	4.4	-	7.9	-	-	-	-	-	-	64	73	-	-	-	-	84	-
3	28	60	4.2	-	7.9	-	-	-	-	-	-	63	72	-	-	-	-	112	-
4	4	60	5.3	-	7.8	-	-	-	-	-	-	62	71	-	-	-	-	102	-
4	11	60	5.8	-	7.8	-	-	-	-	-	-	63	72	-	-	-	-	107	-
4	18	60	6.6	-	7.8	-	-	-	-	-	-	63	73	-	-	-	-	114	-
4	25	60	7.8	-	8.0	-	-	-	-	-	-	60	68	-	-	-	-	98	-
5	2	60	9.5	-	7.9	-	-	-	-	-	-	57	66	-	-	-	-	103	-
5	9	60	9.4	-	7.8	-	-	-	-	-	-	52	59	-	-	-	-	91	-
5	16	60	9.3	-	7.8	-	-	-	-	-	-	54	61	-	-	-	-	118	-
5	23	60	10.0	-	8.0	-	-	-	-	-	-	58	64	-	-	-	-	102	-
5	31	60	11.5	-	7.8	-	-	-	-	-	-	52	59	-	-	-	-	95	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER ABOVE YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	6	60	11.9	-	7.5	-	-	-	-	-	-	50	56	-	-	-	-	102	-
6	13	60	12.8	-	8.0	-	-	-	-	-	-	52	58	-	-	-	-	96	-
6	27	60	14.2	-	8.0	-	-	-	-	-	-	50	57	-	-	-	-	88	-
7	11	60	15.5	-	8.1	-	-	-	-	-	-	53	61	-	-	-	-	83	-
7	18	60	16.7	-	8.2	-	-	-	-	-	-	54	62	-	-	-	-	-	-
7	25	60	17.0	-	8.1	-	-	-	-	-	-	53	62	-	-	-	-	86	-
8	2	60	17.9	-	8.0	-	-	-	-	-	-	53	60	-	-	-	-	-	-
8	8	60	18.6	-	8.2	-	-	-	-	-	-	48	60	-	-	-	-	64	-
8	15	60	17.7	-	8.0	-	-	-	-	-	-	51	60	-	-	-	-	94	-
8	22	60	17.5	-	8.0	-	-	-	-	-	-	53	62	-	-	-	-	43	-
8	31	60	17.8	-	8.0	-	-	-	-	-	-	56	62	-	-	-	-	9?	-
9	8	60	17.8	-	8.1	-	-	-	-	-	-	53	58	-	-	-	-	70	-
9	12	60	18.2	-	8.2	-	-	-	-	-	-	55	62	-	-	-	-	66	-
9	19	60	18.3	-	8.0	-	-	-	-	-	-	54	63	-	-	-	-	47	-
9	28	60	16.9	-	8.2	-	-	-	-	-	-							114	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MASSACHUSETTS

MAJOR BASIN NORTHEAST

SUB BASIN CONNECTICUT RIVER

STATION LOCATION CONNECTICUT RIVER BELOW NORTHFIELD, MASSACHUSETTS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
11	2	59	-	-	7.1	1.3	24	3.4	-	.2	6	24	38	35	2	6	-	72	-
11	9	59	-	10.7	7.2	1.2	18	2.9	3.3	.2	4	24	30	35	2	4	-	76	-
11	16	59	6.0	8.0	8.4	1.6	20	.8	2.9	.1	4	38	44	50	12	5	-	425	*100
11	23	59	6.0	-	8.6	3.5	17	1.0	2.5	.1	4	38	42	40	15	7	-	78	250
11	30	59	3.0	9.7	8.0	2.8	17	.9	4.3	.1	4	36	42	45	20	5	-	72	90
12	7	59	5.0	9.5	7.5	2.4	21	.8	4.4	.1	4	24	32	45	20	7	-	67	5100
12	14	59	3.0	13.3	7.1	1.8	12	.1	2.2	.1	4	20	26	22	1	7	-	58	5000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE SCHUYLKILL RIVERS

STATION LOCATION DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	2	59	23.0	9.2	7.2	-	16	-	-	.3	6	50	64	20	23	36	-	170	13000
10	14	59	23.0	9.3	7.2	-	18	-	-	.5	7	47	66	20	18	36	-	136	-
10	14	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13000
10	19	59	17.0	9.2	7.2	-	18	-	-	1.0	40	28	52	10	12	39	-	78	9000
10	26	59	14.0	9.2	7.2	-	19	-	-	.3	8	29	64	10	60	42	-	220	-
10	27	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9200
11	2	59	12.0	9.3	7.2	-	18	5.0	5.3	2.0	1	28	48	10	28	-	.2	95	11000
11	9	59	11.0	9.8	7.2	-	15	5.1	7.1	.5	3	28	54	10	60	-	.2	126	-
11	16	59	9.0	10.0	7.2	-	35	5.0	5.7	.7	4	28	52	20	45	-	.2	106	10000
11	23	59	10.0	11.0	7.2	-	19	6.0	7.7	.3	3	33	46	10	28	-	.3	125	-
11	30	59	9.0	11.0	7.4	-	11	4.8	7.5	1.2	2	30	56	10	25	-	.3	126	11000
12	7	59	5.0	10.7	7.4	-	11	7.0	9.2	1.2	6	18	54	2	20	-	.1	118	950
12	14	59	2.0	11.6	7.2	-	13	-	-	.7	3	24	52	10	110	-	.4	176	1400
12	21	59	3.0	11.8	7.3	-	12	-	-	.3	3	22	56	10	22	-	.1	122	-
12	28	59	3.0	12.1	7.2	-	10	3.7	7.0	1.0	4	33	62	10	26	30	.3	111	-
1	4	60	2.0	12.6	7.2	-	8	5.2	8.1	1.1	3	27	50	20	70	-	.1	168	-
1	11	60	1.0	13.0	7.2	-	12	-	-	.7	4	23	50	10	32	-	.2	111	-
1	17	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9100
1	18	60	1.0	13.0	7.2	-	10	-	-	1.1	7	24	62	10	20	36	.2	121	-
1	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13000
1	31	60	1.0	12.0	7.2	-	9	4.9	8.7	.8	5	30	60	10	28	-	.4	130	-
2	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7200
2	1	60	2.0	12.0	7.2	-	4	-	-	1.0	6	31	60	10	22	30	-	141	-
2	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
2	9	60	1.0	10.4	7.2	-	10	3.1	5.1	.5	7	30	74	10	20	24	.1	157	1000
2	15	60	1.0	13.2	7.2	-	8	-	-	.6	3	22	34	1	14.	14	.1	100	-
2	22	60	1.0	12.2	7.2	-	15	-	-	1.4	8	28	52	10	110	-	.2	128	-
2	29	60	3.0	13.0	7.2	4.5	9	7.3	9.1	1.0	10	28	60	10	100	-	.2	149	-
3	7	60	4.0	13.0	7.2	-	6	8.2	11.6	.8	13	38	60	10	11	32	.2	216	-
3	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8100
3	14	60	1.0	12.8	7.2	-	10	7.7	8.9	.5	7	26	7	10	60	20	.7	428	7700
3	21	60	9.0	11.6	7.2	-	9	8.8	10.1	.5	14	38	56	10	150	34	.2	286	-
3	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6200
3	28	60	2.0	10.4	7.2	-	12	-	-	1.2	9	38	60	20	110	38	.2	180	16000
4	4	60	9.0	10.1	7.0	-	7	-	-	1.0	9	24	44	20	600	22	.7	248	
4	11	60	10.0	11.6	7.1	-	11	7.0	9.3	.2	4	20	30	10	70	22	.7	174	-
4	18	60	12.0	9.6	7.3	-	10	5.6	8.1	.3	4	20	40	20	140	28	.3	248	-
4	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13000
4	25	60	12.0	7.6	7.2	-	11	5.8	8.0	.1	4	30	46	10	130	42	.3	267	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE SCHUYLKILL RIVERS
STATION LOCATION: DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg	24-HOUR mg/l										
5	2	60	15.0	6.6	7.1	-	12	6.6	8.4	.4	73	22	58	20	15	19	.1	133	-
5	3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21000
5	9	60	17.0	6.0	7.2	-	9	8.7	9.9	1.4	5	15	56	20	140	22	.1	159	-
5	16	60	17.0	7.2	7.3	-	8	7.7	9.3	.4	2	29	62	15	95	26	.0	182	-
5	23	60	20.0	6.4	7.1	-	10	6.8	9.7	.8	6	25	50	15	170	19	.2	192	10000
5	30	60	19.0	7.0	7.1	-	10	8.0	11.0	1.1	4	17	32	25	150	20	.2	165	-
5	31	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4900
6	6	60	21.0	5.4	7.0	-	8	5.8	8.3	.6	4	22	50	15	135	19	.1	178	12000
6	13	60	21.0	2.8	7.1	-	12	7.7	10.3	.3	12	26	58	15	140	16	.1	208	15000
6	20	60	25.0	5.2	7.3	-	9	8.7	9.8	.8	4	18	51	15	125	32	.1	295	42000
6	27	60	26.0	3.0	7.2	-	12	6.6	7.8	.5	8	16	42	30	130	32	.0	295	-
6	28	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15000
7	4	60	27.0	4.2	7.1	-	10	5.8	6.6	.8	6	19	42	30	110	31	.5	252	-
7	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
7	11	60	25.0	2.8	7.1	-	5	5.1	6.7	.1	5	21	54	15	125	35	.0	292	9600
7	18	60	25.0	1.6	7.1	-	8	4.4	6.4	.4	4	24	56	20	140	32	.2	326	25000
7	25	60	21.0	2.0	7.0	-	9	-	-	.4	6	21	54	20	110	37	.1	326	7800
8	1	60	22.0	3.0	7.1	-	9	-	-	.6	7	23	54	40	115	25	.5	222	28000
8	8	60	26.0	1.4	7.2	-	7	-	-	.6	9	22	56	20	145	26	.2	379	18000
8	15	60	26.0	1.4	7.3	-	10	-	-	.3	6	28	60	15	120	28	.3	364	-
8	16	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
8	22	60	26.0	5.0	7.1	-	9	-	-	.4	6	27	58	15	125	38	.2	320	-
8	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21000
8	29	60	26.0	3.8	7.1	-	9	5.1	6.5	.6	6	23	44	25	125	31	.3	335	13000
9	5	60	24.0	3.4	7.2	-	10	-	-	.3	6	25	60	20	140	30	.6	380	-
9	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26000
9	12	60	26.0	6.2	7.0	-	10	-	-	.1	6	22	52	20	110	29	.3	191	-
9	19	60	19.0	7.4	7.2	-	8	-	-	.7	4	19	46	35	115	26	.2	301	-
9	26	60	18.0	7.4	7.2	-	11	-	-	.8	4	16	38	35	105	23	.3	136	11000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE LEHIGH RIVERS

STATION LOCATION DELAWARE RIVER AT MARTINS CREEK, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
1	6	60	.5	11.3	7.5	.7	9	.2	2.6	.2	4	15	24	60	62	15	-	41	690
1	13	60	.5	12.1	7.2	.4	6	.3	2.2	.2	1	40	37	24	25	12	-	56	170
1	20	60	1.0	12.9	7.6	.9	10	.6	2.8	.8	1	20	38	11	10	12	-	56	350
1	27	60	.5	13.4	7.1	.6	9	.6	2.9	.1	2	22	43	11	10	14	-	64	50
2	3	60	.0	13.2	7.4	1.4	3	.3	2.5	.1	4	22	42	18	19	17	-	62	150
2	10	60	2.5	12.5	7.5	.7	10	.5	1.1	.1	2	21	37	35	37	15	-	63	200
2	17	60	1.0	13.0	7.2	.9	15	.5	2.0	.1	3	16	27	22	23	13	-	47	110
2	24	60	1.2	13.0	7.5	.5	6	.1	1.1	.1	3	24	35	27	29	13	-	56	20
3	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120
3	2	60	1.1	13.3	7.2	.7	1	.5	1.9	.1	3	24	37	17	18	10	-	60	-
3	9	60	.8	13.7	7.5	.8	6	.5	2.4	.2	4	23	38	15	16	12	-	63	60
3	16	60	2.5	13.4	7.3	1.6	7	.7	1.9	.1	2	25	46	7	8	11	-	65	45
3	23	60	3.1	12.6	7.4	1.1	10	.2	1.3	.1	2	26	47	18	19	14	-	69	600
3	30	60	7.4	12.0	7.1	.9	8	.9	2.4	.2	2	24	43	29	30	15	-	60	-
4	6	60	5.3	11.4	6.5	1.4	9	1.2	1.4	.4	2	8	22	218	224	31	-	35	190
4	13	60	9.0	10.9	6.9	1.2	-	.7	1.7	.1	2	13	36	22	23	11	-	51	86
4	20	60	11.3	10.0	7.0	1.1	2	.1	.6	.1	4	14	27	25	26	10	-	51	*30
4	27	60	18.6	8.1	7.7	1.2	7	1.1	2.5	1.1	5	25	41	23	25	13	-	51	170
5	4	60	14.4	9.5	7.5	1.7	9	.5	1.3	.1	2	21	39	3	4	10	-	59	46
5	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130
5	18	60	17.3	6.1	7.3	1.1	7	.1	1.3	.1	4	18	37	25	26	10	-	47	140
5	25	60	15.7	8.9	6.4	1.8	10	1.2	3.7	.3	2	13	27	43	45	13	-	44	2900
6	1	60	18.9	8.6	7.3	-	-	.2	1.1	.2	2	20	19	31	36	16	-	62	230
6	8	60	21.3	7.9	7.3	-	9	.7	1.8	.1	0	19	23	35	36	10	-	55	300
6	15	60	20.1	7.6	7.2	1.3	4	.7	1.9	.1	2	22	41	36	38	21	-	57	590
6	22	60	21.1	7.7	6.9	1.2	80	1.1	1.8	.2	1	17	32	46	48	14	-	45	420
6	29	60	22.5	7.8	7.5	1.0	7	.8	1.1	.1	2	15	14	43	45	12	-	46	-
7	6	60	22.2	8.0	7.6	.8	9	1.5	2.2	.1	5	23	28	33	34	9	-	57	110
7	13	60	25.0	8.0	7.8	1.2	8	.8	2.1	.1	2	24	44	25	26	14	-	60	200
7	20	60	24.4	7.6	7.9	1.6	11	1.3	2.3	.1	0	23	28	34	18	10	-	58	-
7	27	60	24.0	8.0	7.8	.3	7	.4	2.1	.1	2	25	34	31	33	10	-	66	1100
8	3	60	24.5	7.2	7.5	.6	11	.1	.3	.2	2	21	36	44	45	13	-	62	90
8	10	60	23.7	7.3	7.6	1.8	8	1.2	3.3	.5	3	20	44	46	48	10	-	59	-
8	17	60	22.8	8.0	6.7	1.4	12	1.6	2.4	.2	2	29	54	46	48	12	-	72	300
8	24	60	22.3	7.2	7.9	1.4	13	2.1	3.7	.3	2	22	42	55	83	14	-	60	520
8	31	60	24.5	7.0	7.7	1.1	7	1.5	3.5	.2	3	31	56	105	109	17	-	71	790

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE LEHIGH RIVERS

STATION LOCATION DELAWARE RIVER AT MARTINS CREEK, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
9	7	60	21.7	8.1	7.8	1.2	9	.3	3.0	.2	4	37	58	30	31	13	-	79	100
9	13	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2900
9	14	60	16.0	8.6	6.9	1.5	23	.2	-	1.1	0	11	28	170	184	14	-	27	-
9	21	60	16.5	8.6	7.3	1.0	15	1.1	3.8	.4	2	13	34	70	72	13	-	41	-
9	28	60	17.1	8.8	7.4	.7	8	1.0	2.1	.2	2	21	40	41	19	11	-	57	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE FLORIDA

MAJOR BASIN SOUTHEAST

SUB BASIN PERDIDO ESCAMBIA RIVER

STATION LOCATION ESCAMBIA RIVER AT CENTURY, FLORIDA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	8	60	26.0	6.1	6.7	.6	28	1.7	3.1	.1	3	21	20	10	15	4	.1	79	-
8	15	60	25.0	6.4	6.9	.8	36	1.4	2.5	.7	3	27	23	16	24	3	.1	92	-
8	22	60	26.0	6.0	6.6	.8	30	.6	2.8	.5	4	20	20	14	135	3	.1	46	-
8	29	60	24.5	6.7	6.8	1.0	46	1.2	2.9	.4	4	22	23	12	210	3	.1	54	1100
9	6	60	25.0	6.5	6.7	1.1	48	.8	2.4	.8	3	19	18	8	40	3	.1	32	-
9	12	60	24.5	6.8	6.9	.5	32	.7	2.1	.6	3	20	21	8	80	2	.1	48	-
9	26	60	25.0	6.6	6.8	1.2	54	1.1	3.2	.3	3	17	20	10	25	3	.1	60	660

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA RIVER

STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	59	19.9	8.8	8.2	.5	4	1.1	1.9	.0	23	96	124	0	1	19	-	184	*1
10	14	59	15.8	9.3	8.2	.8	2	.9	3.3	.0	20	92	124	0	2	22	-	206	12
10	21	59	14.7	9.9	8.2	.7	6	.5	1.8	.0	15	96	130	0	5	23	-	229	-
10	28	59	13.7	10.3	8.2	.9	2	.9	2.2	.0	18	100	130	0	5	21	-	205	3
11	4	59	12.3	10.6	8.2	1.0	4	.5	2.6	.0	18	90	120	0	5	22	-	204	-
11	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
11	12	59	11.2	11.0	8.3	1.3	9	.8	2.1	.0	18	90	120	0	9	22	-	227	-
11	19	59	6.5	13.0	8.2	.8	5	1.0	2.4	.0	23	96	120	0	8	24	-	207	140
11	25	59	8.0	11.2	7.9	2.0	9	.7	-	.0	13	90	140	0	6	23	-	191	16
12	2	59	6.5	12.3	8.0	1.0	3	1.1	2.8	.0	23	90	136	0	10	23	-	202	120
12	9	59	6.0	12.5	8.2	1.0	3	.6	2.6	.0	20	92	132	0	40	21	-	209	24
12	23	59	4.0	13.0	8.1	1.0	4	.8	2.0	.0	19	92	130	0	10	20	-	199	-
1	6	60	3.8	12.7	8.3	.9	7	.7	2.7	.0	20	90	120	0	50	21	-	257	120
1	13	60	3.0	13.5	8.1	1.0	11	.8	2.4	.0	20	90	126	0	25	25	-	190	*1
1	20	60	3.6	13.7	7.9	.7	9	.8	2.6	.0	18	84	128	0	50	22	-	193	7
1	27	60	4.0	13.8	7.8	.6	11	.6	1.7	.0	18	90	128	0	20	22	-	199	-
2	3	60	2.3	14.0	8.1	.7	6	.8	1.6	.0	18	90	128	0	20	23	-	193	*1
2	10	60	3.6	13.4	8.0	.7	10	-	-	.1	20	86	120	0	30	23	-	210	4
2	17	60	3.0	14.4	8.2	1.2	5	.5	1.8	.0	18	90	130	0	20	23	-	201	*4
2	24	60	3.5	14.0	7.8	1.4	12	.4	1.6	.0	18	90	136	0	25	23	-	202	1
3	2	60	2.5	14.2	8.1	.8	6	.3	1.5	.0	20	90	136	0	1	23	-	208	2
3	9	60	2.0	14.2	8.0	.6	3	.5	1.5	.0	23	90	134	0	25	24	-	203	*4
3	16	60	2.3	14.4	8.2	.9	2	.3	.9	.0	20	90	132	0	12	23	-	192	*4
3	23	60	3.0	13.4	7.9	.8	6	.3	1.2	-	20	88	140	0	10	21	-	195	*1
3	30	60	4.0	13.8	8.1	.9	7	.6	1.6	.0	20	90	132	-	10	22	-	201	*1
4	6	60	3.3	13.6	8.0	1.0	4	.4	1.6	.0	23	90	128	-	10	24	-	210	21
4	13	60	3.8	13.0	8.1	1.0	6	.6	1.6	.0	20	84	126	0	20	22	-	187	6
4	20	60	4.0	13.5	8.0	.7	7	.4	1.9	.0	20	84	126	0	20	23	-	208	*4
4	27	60	5.0	13.6	7.9	1.4	6	.3	1.4	.0	23	86	126	0	18	22	-	188	8
5	4	60	5.0	12.5	7.8	1.7	4	.4	1.6	.0	15	74	120	0	25	22	-	185	*1
5	11	60	10.0	11.2	7.8	1.6	6	.4	1.3	.0	18	84	122	0	15	23	-	205	*4
5	18	60	11.8	11.6	7.6	1.5	6	.6	1.6	.0	20	80	126	0	19	22	-	201	*4
5	26	60	15.0	10.2	8.0	1.6	8	.8	1.3	.0	23	80	130	0	6	22	-	213	*1
6	1	60	16.0	10.7	7.9	1.1	7	.6	1.3	.0	23	80	130	0	10	22	-	206	*1
6	8	60	16.0	10.6	8.4	1.3	8	.3	1.4	.0	20	80	132	0	10	23	-	206	1
6	15	60	17.0	10.6	8.6	2.1	10	.6	2.1	.0	20	84	128	0	6	22	-	215	3
6	22	60	18.5	9.6	8.4	1.0	7	1.0	2.7	.3	21	84	134	0	10	21	-	206	420
6	30	60	22.0	8.8	8.3	.8	5	.7	2.4	.0	23	84	130	0	10	22	-	202	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA RIVER

STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	60	20.0	8.9	8.2	1.0	4	1.0	2.9	.0	23	80	128	0	15	22	-	203	6
7	13	60	-	9.4	-	.8	9	.2	2.4	.1	20	86	134	0	15	22	-	213	12
7	20	60	21.6	9.0	8.4	.7	8	.6	2.2	.0	23	82	128	0	15	22	-	195	8
7	27	60	21.7	8.9	8.6	.6	8	.9	3.1	-	23	80	126	0	2	23	-	226	13
8	3	60	21.8	8.9	9.4	.9	8	.9	3.1	.0	20	84	128	0	2	21	-	213	12
8	10	60	22.0	8.9	8.4	1.0	8	1.0	2.4	.2	20	84	126	0	2	23	-	207	8
8	17	60	22.2	8.9	8.2	.9	6	1.1	2.6	.0	23	84	134	0	5	21	-	218	160
8	24	60	21.8	8.6	8.4	.6	6	.6	1.9	.0	23	84	132	0	10	21	-	206	8
9	1	60	23.0	8.7	8.4	.7	6	.6	2.3	.0	25	92	124	0	20	22	-	205	26
9	7	60	23.0	8.5	8.4	.5	7	.5	2.5	.0	23	82	128	0	10	22	.2	212	-
9	14	60	20.5	8.6	8.2	.6	5	.2	2.2	.0	20	80	120	0	10	22	.2	216	8
9	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
9	28	60	21.0	9.7	8.1	.3	5	.3	2.4	.0	23	80	126	0	5	23	.2	198	3

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	18.2	8.9	8.1	.5	3	.6	1.6	.1	9	79	98	0	10	13	.0	126	23
10	13	59	12.8	9.4	7.9	.6	2	.5	1.1	.2	8	76	94	0	15	12	.0	122	58
10	20	59	12.0	10.5	7.9	.5	2	.6	1.2	.0	7	80	96	0	9	12	.0	123	10
10	28	59	9.1	11.2	7.9	.5	5	.5	1.1	.1	7	80	97	0	10	11	.0	123	-
11	3	59	9.0	10.7	7.9	.5	4	.6	1.1	.0	7	80	96	0	10	11	-	131	-
11	10	59	7.3	10.8	7.8	.5	4	.6	1.1	.0	7	80	100	0	15	12	-	132	-
11	11	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
11	17	59	.5	11.6	8.0	.4	4	.5	1.0	.0	7	79	96	0	15	11	-	130	20
11	25	59	4.4	11.6	8.0	.4	5	.5	1.0	.0	6	80	98	0	10	10	.0	130	-
12	1	59	2.8	12.6	8.0	.5	5	.5	1.1	.1	7	80	98	0	10	11	.0	120	10
12	8	59	2.6	12.2	8.0	.3	5	.5	1.0	.1	7	80	98	0	10	11	.0	123	*1
12	15	59	2.5	12.2	8.0	.5	3	.5	1.2	.0	7	80	98	0	10	11	-	125	2
12	22	59	1.7	12.5	7.9	.5	4	.5	1.1	.0	7	80	99	0	20	11	-	123	-
12	29	59	1.7	12.5	8.0	.4	3	.5	1.1	.0	7	80	100	0	10	11	-	123	-
1	5	60	.6	12.8	8.0	.3	4	.5	1.0	.0	7	81	99	0	10	11	-	121	2
1	12	60	.6	13.0	8.0	.5	4	.5	1.1	.0	8	91	101	0	3	12	-	125	2
1	20	60	.6	13.2	7.9	.4	5	.6	.9	.0	8	77	96	0	8	11	-	124	300
1	27	60	.6	13.2	7.9	.3	5	.4	.8	.0	7	80	100	0	3	11	-	123	-
1	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2	2	60	.6	13.2	8.0	.5	4	.4	.9	.0	7	80	100	0	3	11	-	123	*1
2	17	60	.5	13.4	8.0	.5	5	.6	1.1	.0	8	85	114	0	3	14	-	130	-
2	23	60	.5	13.3	8.0	.5	4	.5	1.0	.0	9	83	106	0	3	12	-	131	2
3	1	60	.4	13.6	8.0	.4	4	.5	1.1	.0	10	82	102	0	2	12	-	128	2
3	8	60	.5	13.5	8.0	.4	4	.5	1.0	.0	9	82	100	0	2	12	-	126	*1
3	15	60	.6	13.3	8.0	.5	5	.5	.9	.0	9	81	99	0	2	11	-	123	-
3	22	60	.6	13.4	8.0	.4	4	.4	1.0	.0	9	82	99	0	2	11	-	123	11
3	28	60	.7	13.0	8.0	.5	3	.5	1.0	.0	9	82	98	0	5	12	-	123	-
3	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*1
4	5	60	1.7	12.2	8.0	.5	5	.6	1.2	.0	8	80	95	0	40	11	-	125	-
4	13	60	4.4	12.4	7.9	.4	4	.6	1.2	.0	8	82	101	0	20	11	-	123	5
4	19	60	5.6	11.8	7.8	.5	4	.6	1.1	.0	7	80	97	0	15	11	-	121	13
5	3	60	8.3	10.6	8.0	.6	5	.6	1.1	.0	6	83	98	0	25	12	-	123	3
5	11	60	8.3	10.8	8.0	.4	3	.4	1.2	.0	5	81	101	0	15	12	-	122	4
5	17	60	8.9	10.1	8.1	.5	3	.6	1.2	.0	6	82	101	0	15	13	-	122	2
5	24	60	12.8	10.2	8.0	.7	3	.7	1.3	.0	5	83	103	0	15	13	-	126	16
5	31	60	15.0	9.4	8.0	.5	3	.6	1.3	.0	5	82	104	0	15	11	-	125	2
6	8	60	17.8	9.4	8.2	.5	3	.7	1.3	.0	6	81	102	0	10	12	-	126	-
6	13	60	17.8	9.4	8.2	.5	3	.7	1.2	.0	6	79	100	0	15	12	-	122	3
6	21	60	17.8	9.0	8.2	.5	4	.2	2.7	.0	6	79	99	0	15	14	-	125	13
6	28	60	19.8	9.0	8.0	.7	5	.2	1.8	.0	8	81	100	0	15	14	-	124	32

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	60	19.3	9.1	9.2	–	2	1.7	2.8	.0	8	80	98	0	25	10	–	125	–
7	12	60	21.1	–	8.5	–	3	.0	1.0	.0	9	80	99	0	15	13	–	141	14
7	19	60	20.6	8.3	8.3	.5	3	.7	2.2	.0	9	80	99	0	20	14	–	141	–
7	26	60	22.2	9.1	8.2	.0	5	.0	2.7	.0	9	82	104	0	15	15	–	149	1
8	3	60	21.7	8.1	8.3	–	4	.8	2.4	.0	9	81	100	0	15	14	–	140	50
8	8	60	21.1	8.5	8.1	–	4	.7	2.5	.0	8	81	97	0	15	13	.0	148	–
8	9	60	21.7	8.4	8.2	.5	4	.7	2.2	.0	8	80	97	0	15	13	.0	146	–
8	22	60	22.2	–	8.0	–	4	.6	2.5	.0	8	80	97	0	15	13	.0	131	–
8	31	60	22.8	8.2	8.1	.2	3	.5	1.7	.0	6	81	98	0	15	15	.0	118	–
9	6	60	22.2	8.2	8.4	.4	4	.5	1.1	.0	7	81	98	0	15	14	.0	136	–
9	13	60	20.6	8.1	8.1	.3	2	.2	.0	.0	7	80	98	0	15	13	.0	124	–
9	20	60	18.9	8.7	8.1	–	3	.5	1.4	.0	7	80	99	0	15	12	.0	134	–
9	28	60	19.4	–	8.1	–	3	.5	1.6	.0	7	79	99	0	15	15	.0	136	–

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION ST. CLAIR RIVER AT
PORT HURON, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
5	16	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	12
5	23	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
5	31	60	11.0	12.7	8.2	.5	–	–	–	.8	–	–	104	8	–	–	–	–	*2
6	4	60	12.0	12.8	8.2	.8	–	–	–	–	–	–	–	–	–	–	–	–	4
6	13	60	14.8	11.3	8.2	.9	–	–	–	.1	–	–	98	5	–	–	–	–	8
6	20	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	27
6	27	60	16.0	11.6	8.2	.9	–	–	–	.1	8	102	98	8	–	–	–	–	15
7	1	60	22.0	11.5	8.4	.9	–	–	–	.1	8	102	98	8	–	–	–	–	–
7	5	60	17.0	11.1	7.8	.4	–	–	–	.1	10	100	102	7	–	–	–	–	*7
7	11	60	19.0	10.9	8.3	.8	–	–	–	.1	8	96	96	6	–	–	–	–	20
7	18	60	20.0	11.8	8.2	.5	–	–	–	.1	9	98	100	6	–	–	–	–	9
7	25	60	20.5	11.4	8.3	.8	–	–	–	1.8	6	100	102	10	–	–	–	–	26
8	1	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7
8	8	60	21.0	9.9	8.5	.9	–	–	–	.1	9	96	104	6	–	–	–	–	17
8	15	60	21.5	11.2	8.2	.7	–	–	–	.5	10	98	106	5	–	–	–	–	18
8	22	60	22.0	11.1	8.4	.6	–	–	–	.1	9	106	102	5	–	–	–	–	120
8	29	60	22.0	9.4	8.1	.2	–	–	–	.1	9	98	104	5	–	–	–	–	5
9	6	60	22.0	9.8	8.4	.6	–	–	–	.1	9	100	104	4	–	–	–	–	*32
9	12	60	20.0	9.9	8.4	.4	–	–	–	.1	8	98	102	5	–	–	–	–	10
9	19	60	17.0	9.9	8.5	.6	–	–	–	.1	7	94	104	3	–	–	–	–	17
9	26	60	19.0	9.9	8.4	.4	–	–	–	.1	7	98	102	4	–	–	–	–	11

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WISCONSIN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE MICHIGAN, WESTERN SHORE

STATION LOCATION LAKE MICHIGAN AT MILWAUKEE, WISCONSIN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	15	60	16.2	9.5	8.5	1.5	–	.8	2.4	.0	6	107	130	–	3	18	.0	163	52
8	22	60	10.7	10.3	8.2	3.5	4	.5	2.1	.0	6	107	131	0	0	19	.0	151	120
8	29	60	7.6	11.1	7.9	2.4	5	.3	1.7	.0	6	108	130	0	1	18	.0	150	110
9	6	60	15.0	9.7	8.4	.9	3	.8	2.3	.0	5	110	128	0	2	18	.0	156	5
9	12	60	18.0	8.9	8.4	1.3	4	.6	1.9	.0	6	106	128	0	2	18	.0	165	20
9	19	60	18.0	8.7	8.3	–	5	.7	1.6	.0	6	108	128	0	3	20	.0	142	–
9	26	60	17.7	8.7	8.3	1.2	5	1.0	2.6	.0	6	106	131	0	1	19	.0	152	270

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE INDIANA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. JOSEPH RIVER

STATION LOCATION LAKE MICHIGAN AT GARY, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	17.2	9.0	8.3	1.2	-	.4	1.8	-	7	115	131	5	1	-	-	108	18
10	12	59	15.5	9.1	8.4	.8	4	.5	1.5	-	6	116	132	5	1	-	-	160	20
10	19	59	14.0	9.6	8.3	1.6	4	.7	-	-	8	116	132	5	1	-	-	136	88
10	26	59	12.1	9.6	8.3	1.3	5	.7	2.3	-	8	115	132	10	38	-	-	143	31
11	2	59	11.1	-	8.1	-	-	-	-	-	-	116	132	10	18	-	-	-	4400
11	9	59	8.9	10.9	8.2	1.0	-	.4	1.9	-	6	115	132	10	8	-	-	181	-
11	16	59	6.3	11.6	8.3	1.7	-	.7	2.3	-	8	115	133	10	15	-	-	162	660
11	23	59	4.9	12.4	8.2	1.3	3	.6	-	-	8	116	133	10	10	-	-	-	64
11	30	59	2.8	-	8.3	-	-	-	-	-	-	117	132	10	12	-	-	-	-
12	1	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420
12	7	59	3.2	11.4	8.3	1.4	-	.4	-	-	6	118	128	5	27	-	-	-	180
12	14	59	3.2	12.7	8.2	1.6	-	1.4	3.4	-	6	119	131	5	10	-	-	-	470
12	21	59	3.1	-	8.3	-	-	-	-	-	-	117	131	5	8	-	-	-	340
12	28	59	3.6	-	8.1	-	-	-	-	-	-	116	131	5	7	-	-	-	78
1	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120
1	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
1	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420
1	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130
2	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	860
2	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
3	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
5	10	60	8.8	-	8.3	-	-	-	-	-	-	118	156	10	6	-	-	-	140
5	24	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	940
7	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
7	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
8	9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	530
8	16	60	21.5	7.5	8.2	-	-	.4	2.1	-	8	106	139	0	1	-	-	-	44
8	23	60	18.0	6.7	8.0	1.2	-	.1	1.1	-	7	103	145	10	4	-	-	-	32
8	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
9	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
9	13	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
9	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
9	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION ST. MARYS RIVER AT SAULT STE. MARIE, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
11	9	59	7.0	-	7.8	-	-	-	-	-	-	55	45	-	3	-	-	-	-
11	16	59	5.0	-	7.6	-	-	-	-	-	-	55	46	-	3	-	-	-	-
11	23	59	5.0	-	7.8	-	-	-	-	-	-	55	46	-	3	-	-	-	-
11	30	59	3.0	-	7.8	-	-	-	-	-	-	57	44	-	2	-	-	-	-
12	7	59	3.0	-	7.8	-	-	-	-	-	-	55	44	-	2	-	-	-	-
12	14	59	2.0	-	8.1	-	-	-	-	-	-	57	45	0	3	-	-	-	-
12	21	59	1.5	-	8.1	-	-	-	-	.1	-	57	48	0	3	-	-	-	-
12	28	59	1.5	-	8.1	-	-	-	-	.1	-	58	48	0	2	-	-	-	-
1	4	60	1.0	-	7.8	-	-	-	-	.1	-	58	48	0	3	-	-	-	-
1	11	60	.5	-	8.0	-	-	-	-	.1	-	57	49	0	3	-	-	-	-
1	18	60	.5	13.2	8.0	-	-	.3	.7	.0	2	54	46	0	2	-	-	-	-
1	25	60	.0	13.4	7.9	-	-	.3	.7	.1	1	52	47	0	2	-	-	-	16
2	1	60	.0	13.0	8.1	-	11	.3	.7	.0	1	56	45	0	2	-	-	-	2
2	8	60	.0	13.2	7.2	-	7	.3	.8	.1	1	56	46	0	2	-	-	-	1
2	15	60	.0	14.0	7.2	-	4	.3	.7	.0	1	56	47	0	2	-	-	-	*1
2	22	60	.0	13.7	7.6	-	2	.5	.9	.0	1	53	46	0	2	-	-	-	1
2	29	60	.0	13.5	7.4	-	-	.3	.7	.0	1	50	47	0	2	-	-	-	4
3	7	60	.0	13.4	7.4	-	-	.3	.7	.0	1	48	47	0	2	-	-	-	2
3	14	60	.0	13.7	7.6	-	-	.3	.7	.0	1	48	47	0	2	-	-	-	2
3	21	60	.0	13.5	7.4	-	7	.2	.4	.0	1	48	46	0	2	-	-	-	2
3	28	60	.0	11.0	7.6	-	3	.2	.5	.0	1	48	46	0	2	-	-	-	*1
4	4	60	.0	13.5	7.8	-	3	.4	.7	.0	1	47	46	0	2	-	-	-	1
4	11	60	.0	14.1	7.6	-	2	.3	.7	.0	1	48	46	0	2	-	-	-	18
4	18	60	.0	13.5	7.6	-	2	.7	.8	.0	1	50	46	5	3	-	-	-	7
4	25	60	1.5	13.5	7.6	-	6	.3	.8	.0	1	50	47	0	3	-	-	-	240
5	2	60	2.5	13.2	7.2	-	3	.3	.7	.0	1	47	46	5	3	-	-	-	17
5	9	60	5.0	13.0	7.6	-	6	.3	.8	.0	1	48	45	5	5	-	-	-	880
5	16	60	5.0	13.3	7.4	-	6	.5	1.0	.0	1	47	46	0	4	-	-	-	*50
5	23	60	5.0	13.4	7.6	-	10	.3	.9	.0	1	45	45	5	3	-	-	-	9
5	30	60	6.0	13.0	7.4	-	4	.4	.0	.0	2	46	46	0	3	-	-	-	6
6	6	60	7.0	12.1	7.4	-	4	.3	.9	.0	1	46	46	0	3	-	-	-	10
6	13	60	8.0	12.4	7.6	-	8	.3	.9	.0	2	47	46	0	3	-	-	-	3
6	20	60	11.0	11.0	7.8	-	3	.5	1.0	.0	1	46	47	0	3	-	-	-	8
6	27	60	11.0	11.0	7.8	-	4	.3	.9	.0	1	45	45	0	2	-	-	-	16
7	4	60	13.0	10.1	7.6	-	4	.4	1.0	.0	1	45	45	0	3	-	-	-	4
7	11	60	14.0	10.5	7.8	-	5	.3	1.1	.0	1	46	44	0	3	-	-	-	13
7	18	60	16.5	9.9	7.8	-	4	.3	.9	.0	1	48	45	0	3	-	-	-	15
7	25	60	16.0	9.9	7.8	-	4	.3	1.0	.0	1	46	44	0	3	-	-	-	13

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION ST. MARYS RIVER AT SAULT STE. MARIE, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	1	60	17.0	9.7	8.0	-	3	.2	1.0	.0	1	48	45	0	3	-	-	-	11
8	8	60	16.5	9.7	8.2	-	4	.3	.9	.0	1	47	45	0	3	-	-	-	19
8	15	60	17.0	9.7	8.0	-	7	.3	1.0	.0	1	47	46	0	3	-	-	-	-
8	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
8	22	60	17.5	9.9	8.2	-	4	.3	1.1	.0	1	48	45	0	3	-	-	-	-
8	29	60	15.0	9.7	8.0	-	4	.3	.7	.0	1	47	45	0	3	-	-	-	11
9	6	60	16.0	10.0	8.0	-	4	.3	1.1	.0	1	47	46	0	3	-	-	-	64
9	12	60	16.0	9.8	8.0	-	4	.3	.9	.0	1	48	46	0	3	-	-	-	21
9	19	60	15.0	9.9	8.0	-	3	.2	.9	.0	1	47	45	0	3	-	-	-	32
9	26	60	14.2	10.0	8.0	-	4	.3	.9	.0	1	47	45	0	3	-	-	-	8

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	6.7	11.4	7.7	.5	3	.9	1.6	.1	2	45	43	0	1	3	–	63	7
10	12	59	3.3	12.3	7.7	.5	4	.9	2.4	.0	2	44	44	0	0	3	–	61	20
10	19	59	4.4	12.1	7.7	.2	3	.8	1.6	.0	2	44	43	5	1	4	–	52	51
10	26	59	6.1	12.0	7.7	.5	5	1.2	1.8	.0	2	44	43	5	4	4	–	56	11
11	2	59	5.6	12.1	7.7	.6	5	.8	1.8	.0	2	44	43	5	4	4	–	56	11
11	9	59	5.0	12.1	7.8	.6	2	.8	2.8	.0	1	44	43	5	1	1	–	57	8
11	16	59	5.0	12.4	7.9	.5	4	.7	1.5	.0	1	44	43	5	0	4	–	55	–
11	23	59	3.9	12.5	7.9	.6	4	.5	1.1	.0	1	45	43	1	2	4	–	52	7
11	30	59	3.9	12.5	7.9	.4	3	.9	1.8	.0	1	43	42	5	0	3	–	50	3
12	7	59	3.3	12.7	7.7	.4	3	.8	1.6	.0	1	44	43	5	0	3	–	47	1
12	14	59	3.3	12.8	7.8	.5	5	.9	1.5	.0	1	44	43	0	0	3	–	44	2
12	21	59	3.3	12.9	7.8	.4	4	.8	2.2	.0	2	45	46	5	1	5	–	50	*1
1	4	60	2.8	13.0	7.8	1.0	3	.8	1.8	.0	2	44	43	5	1	5	–	54	–
1	11	60	2.8	13.0	7.8	.7	4	.9	1.8	.0	2	44	43	5	8	2	–	64	8
1	18	60	1.1	13.2	7.6	.8	3	1.0	2.0	.0	2	44	43	5	2	1	–	58	2
1	25	60	2.8	13.3	7.9	.5	3	1.4	2.4	.0	2	44	42	5	3	2	–	64	1
2	1	60	1.1	13.5	7.4	.3	4	1.0	2.0	.0	2	44	42	5	2	2	–	58	1
2	8	60	2.2	13.3	7.5	.2	4	1.4	2.1	.0	2	46	43	5	5	2	–	54	14
2	15	60	1.1	13.8	7.7	1.0	3	1.0	2.0	.0	2	44	43	0	1	4	–	57	1
2	23	60	1.1	14.0	7.3	.9	4	1.4	3.0	.0	2	46	44	5	2	1	–	60	2
2	29	60	1.1	13.9	7.5	.4	4	.8	1.6	.0	2	48	44	5	1	1	–	58	*1
3	7	60	1.1	14.0	7.4	.8	4	.9	1.6	.0	2	45	44	0	1	1	–	67	*1
3	14	60	1.1	14.0	7.6	.6	4	1.1	1.9	.0	2	45	44	5	1	1	–	50	*1
3	21	60	1.1	13.9	7.4	.4	4	1.2	2.0	.0	2	44	47	0	1	1	–	52	*1
3	28	60	1.1	13.7	7.7	.3	4	.9	1.7	.0	2	46	45	5	2	1	–	56	2
4	4	60	1.1	13.9	7.7	.3	3	.9	1.7	.0	2	46	47	5	1	1	–	62	1
4	11	60	–	–	–	–	–	–	–	–	–	45	44	5	1	1	–	53	72
4	16	60	1.1	13.6	7.9	.5	2	.9	1.7	.0	1	–	–	–	–	–	–	–	1
4	18	60	2.0	13.7	7.7	1.2	4	.9	1.7	.0	2	45	44	5	0	2	–	44	–
4	25	60	1.1	13.8	7.7	.4	4	.8	2.1	.0	2	44	42	5	1	2	–	57	4
5	2	60	2.2	13.7	7.8	.4	4	.9	1.8	.0	2	44	43	5	2	1	–	72	12
5	9	60	2.2	13.6	7.9	.4	5	.9	2.0	.0	2	44	43	5	2	2	–	78	18
5	16	60	2.2	13.9	7.7	.2	4	.9	1.8	.0	2	44	43	5	0	2	–	66	2
5	23	60	3.3	13.6	7.9	.6	5	.9	2.2	.0	2	44	43	5	0	2	–	52	*1
5	31	60	3.3	13.5	7.8	.4	4	.8	1.9	.0	2	44	43	5	1	1	–	60	7
6	6	60	3.3	13.5	7.6	.8	4	.9	2.0	.0	2	44	44	0	0	1	–	54	28
6	13	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	51	12
6	20	60	3.9	13.2	7.8	.5	4	.8	1.4	.0	2	44	43	0	0	3	–	–	1
6	27	60	4.4	13.4	7.5	.2	4	1.2	2.7	.0	2	46	44	0	1	4	–	60	*1
																		67	*1

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	5.0	12.8	7.4	.5	2	1.5	1.9	.0	2	48	46	0	2	4	-	62	2
7	11	60	3.3	12.2	7.7	.6	4	.8	2.1	.0	2	48	46	0	2	2	-	60	1
7	18	60	7.2	12.9	7.7	.4	5	.9	2.0	.0	2	48	45	5	3	5	-	48	10
7	25	60	12.2	11.2	7.6	.6	8	1.5	2.2	.0	2	48	46	5	3	3	-	68	11
8	1	60	3.3	13.0	7.4	.2	6	.8	1.9	.0	2	48	46	3	3	3	-	62	2
8	8	60	12.2	11.7	7.7	.3	6	.9	2.1	.0	2	48	46	5	2	2	-	65	0
8	15	60	5.0	12.9	7.5	.3	8	1.3	2.6	.0	2	45	43	5	1	2	-	58	8
8	22	60	13.3	10.7	7.7	.4	5	1.0	2.1	.0	2	46	44	5	1	2	-	58	4
9	6	60	15.6	10.2	7.5	.5	3	.9	1.9	.0	2	44	43	0	1	2	-	58	1700
9	12	60	13.3	10.3	7.7	.4	3	.7	2.1	.0	2	45	43	0	1	2	-	60	-
9	19	60	14.4	10.2	7.8	.8	2	.8	1.7	.0	2	45	44	0	0	2	-	68	6
9	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
9	26	60	12.8	10.4	7.7	.3	8	.9	2.0	.0	2	45	43	0	1	2	.0	47	2

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	59	22.4	5.6	7.3	1.3	17	.7	2.7	.4	14	44	70	8	17	40	-	-	3900
10	14	59	20.0	5.9	7.3	.9	20	.7	2.4	.1	12	42	68	22	27	30	-	-	20000
10	21	59	17.9	6.4	7.3	1.6	21	.3	3.0	.0	14	42	66	18	22	40	-	-	5900
10	28	59	14.5	7.3	7.2	.7	19	.1	-	.1	12	40	64	22	10	40	-	-	5600
11	4	59	13.2	7.8	7.2	1.0	21	.1	3.4	.1	12	39	68	22	22	40	-	-	3200
11	11	59	9.7	8.6	7.2	2.1	-	-	-	-	10	38	68	25	13	40	-	-	5300
11	18	59	7.7	9.2	7.3	1.8	23	-	-	.1	10	43	70	23	11	27	-	-	1800
11	25	59	7.0	9.5	7.2	2.3	18	-	-	.1	6	43	70	22	15	60	-	-	3300
12	9	59	3.5	12.1	7.3	3.0	14	.4	2.2	.0	6	40	66	8	65	30	-	-	3300
12	16	59	3.7	11.7	7.4	3.4	16	.1	2.2	.1	6	38	74	8	12	30	-	-	4200
12	23	59	2.4	12.5	7.4	1.3	12	.3	-	.1	6	38	70	8	13	60	-	-	-
12	30	59	1.5	12.4	7.2	1.8	15	.2	2.1	.1	6	35	62	18	20	30	-	-	5800
1	6	60	1.0	12.0	7.3	2.4	14	.1	-	.1	6	38	68	8	13	28	-	-	2300
1	13	60	.7	12.1	7.2	3.5	17	.4	2.5	.1	6	31	60	8	13	28	-	-	3200
1	20	60	1.1	12.2	7.2	-	11	.3	-	.1	6	38	68	10	18	28	-	-	4000
2	3	60	1.0	11.5	7.2	3.4	9	.3	1.6	.1	6	41	68	13	13	30	-	-	700
2	10	60	1.0	11.0	7.1	8.5	14	.5	3.7	.1	6	38	64	13	10	30	-	-	5600
2	17	60	1.0	11.2	7.2	3.1	19	.4	3.2	.1	6	38	64	18	60	35	-	-	1700
2	24	60	1.0	11.5	7.5	3.4	13	.7	-	.2	4	42	60	23	80	40	-	-	3500
3	2	60	1.2	12.0	7.4	3.5	12	.1	-	.1	6	47	70	8	28	30	-	-	1100
3	9	60	.8	12.0	7.3	4.3	12	.2	2.1	.1	6	40	70	8	15	28	-	-	4300
3	16	60	.9	12.2	7.4	2.8	10	.3	-	.1	6	44	70	8	15	30	-	-	1800
3	23	60	1.1	11.8	7.4	2.2	16	.3	2.5	.3	6	45	64	8	9	30	-	-	23000
3	30	60	3.0	11.5	7.4	1.7	16	.2	2.4	.1	6	42	72	8	9	32	-	-	360
4	6	60	4.0	11.8	7.6	1.9	10	.5	2.0	.0	6	44	72	13	110	35	-	-	4700
4	13	60	5.4	11.6	7.5	1.7	13	.4	1.8	.1	3	32	58	8	50	20	-	-	-
4	20	60	8.7	9.6	7.4	-	10	.4	1.9	.0	6	42	65	8	13	20	-	-	-
4	27	60	12.0	9.3	7.2	1.3	8	.4	-	.1	6	30	47	13	17	22	-	-	-
5	4	60	13.0	7.8	7.3	1.2	9	.4	1.7	.1	4	39	63	18	32	19	-	-	1600
5	11	60	14.3	7.6	7.3	1.0	13	1.1	-	.1	2	36	57	18	35	18	-	-	1600
5	18	60	15.5	7.0	7.2	-	11	.8	-	.1	4	36	56	18	14	8	-	-	1000
6	1	60	18.8	4.7	7.1	1.4	11	.8	-	.1	4	45	64	8	10	10	-	-	2000
6	8	60	20.6	4.8	7.1	-	11	-	-	.1	6	44	66	8	11	10	-	-	1900
6	15	60	21.0	3.8	7.1	1.7	16	.4	2.3	.1	6	49	76	8	20	11	-	-	1600
6	22	60	22.8	4.3	7.1	-	11	.4	-	.1	5	42	67	8	12	13	-	-	3000
6	29	60	23.7	4.4	7.2	-	10	.4	-	.0	6	46	72	8	10	11	-	-	1300
7	13	60	24.5	4.0	7.2	-	14	.4	3.0	.1	6	49	77	13	13	20	-	-	1600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	3	60	25.0	5.5	7.2	1.6	14	.3	-	.0	6	42	77	13	19	17	-	-	2200
8	10	60	24.7	5.4	7.2	1.5	14	.3	-	.1	6	42	72	13	25	17	-	-	1200
8	17	60	24.0	5.0	7.3	1.3	13	.2	-	.1	6	43	75	13	13	17	-	-	3300
8	24	60	24.1	5.6	7.3	1.6	14	.4	1.3	.1	6	43	78	13	12	18	-	-	730
8	31	60	24.5	-	7.2	-	14	.3	1.5	.1	6	45	80	13	18	20	-	-	3900
9	7	60	23.8	5.4	7.2	-	16	.7	-	.1	6	45	74	18	9	20	-	-	-
9	14	60	21.1	6.5	7.3	1.4	15	.8	4.2	.1	6	42	73	20	16	18	-	-	18000
9	21	60	18.9	5.3	7.1	1.4	15	.6	-	.1	6	44	68	20	35	18	-	-	3700
9	28	60	18.2	5.9	7.3	1.3	13	.4	-	.1	6	48	77	23	30	38	-	-	2000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN ILLINOIS RIVER

STATION LOCATION ILLINOIS RIVER AT PEORIA, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
3	31	60	6.0	-	7.6	-	-	-	-	-	20	150	220	30	125	-	-	-	440
4	4	60	7.0	-	7.4	-	-	-	-	-	14	114	184	30	190	-	-	-	660
4	11	60	7.5	-	7.8	-	-	-	-	-	15	140	232	30	110	-	-	-	230
4	18	60	11.2	-	7.9	-	-	-	-	-	10	168	272	30	45	-	-	-	170
4	25	60	15.2	-	7.9	-	-	-	-	-	18	158	262	20	25	-	-	-	250
5	2	60	15.2	-	7.9	-	-	-	-	-	10	174	290	15	15	-	-	-	100
5	9	60	13.0	7.8	8.0	-	-	-	-	-	24	194	302	15	30	-	-	-	95
5	16	60	17.6	11.3	8.0	-	-	-	-	-	25	198	312	20	60	-	-	-	550
5	23	60	19.2	8.0	8.1	-	-	-	-	-	23	192	302	20	60	-	-	-	400
6	6	60	21.5	9.5	8.1	-	-	-	-	-	24	200	314	25	65	-	-	-	5
6	27	60	23.2	8.1	8.2	-	-	-	-	-	21	172	310	20	60	-	-	-	1200
7	6	60	25.5	7.1	8.2	-	-	-	-	-	24	182	312	20	70	-	-	-	160
7	12	60	26.2	8.7	8.2	-	-	-	-	-	25	180	306	25	80	-	-	-	120
8	9	60	27.3	5.0	8.0	-	-	-	-	-	36	162	284	25	100	-	-	-	1500
8	15	60	24.8	7.7	8.0	-	-	-	-	-	32	164	288	25	95	-	-	-	55
8	22	60	25.5	6.3	7.8	-	-	-	-	-	33	166	274	25	80	-	-	-	500
8	29	60	26.5	6.4	8.1	-	-	-	-	-	35	170	284	25	75	-	-	-	120
9	19	60	23.2	6.0	7.8	-	-	-	-	-	43	158	264	25	70	-	-	-	650

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN KANAWHA RIVER

STATION LOCATION KANAWHA RIVER AT WINFIELD DAM, WEST VIRGINIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	24	60	3.6	11.5	7.1	1.8	16	-	-	-	14	31	60	25	5	30	-	-	-
3	2	60	4.0	12.5	7.1	1.1	11	-	-	2.2	12	34	64	25	2	25	-	136	40
3	9	60	2.2	13.1	7.1	9.2	12	-	-	1.4	22	44	72	20	2	20	-	160	1900
3	16	60	2.2	12.1	6.9	10.2	20	-	-	2.4	25	42	70	25	2	20	-	102	180
3	30	60	8.0	9.9	7.0	6.5	64	-	-	1.2	22	40	62	20	140	22	-	200	2300
4	6	60	12.1	8.1	7.0	7.8	32	-	-	1.2	13	42	58	20	120	12	-	168	3300
4	13	60	11.1	11.0	7.5	2.4	16	-	-	2.2	22	36	46	20	78	22	-	146	7100
4	20	60	11.0	11.1	7.1	6.2	12	-	-	3.2	22	38	42	20	60	22	-	132	*250
4	27	60	19.4	3.4	7.2	6.3	16	-	-	1.0	22	42	44	5	5	20	-	122	15
5	4	60	19.2	3.1	7.4	5.2	12	-	-	.6	18	37	66	5	10	22	-	128	2000
5	12	60	17.1	6.7	7.4	5.1	16	-	-	.7	22	48	44	20	20	26	-	138	44000
5	26	60	21.0	1.3	7.6	6.2	48	-	-	1.6	26	42	41	20	15	28	-	128	-
6	1	60	21.0	3.4	7.6	6.6	40	-	-	1.3	17	41	62	20	10	16	-	136	-
6	8	60	21.4	.6	7.1	6.8	44	-	-	2.6	25	49	66	20	10	16	-	142	-
6	15	60	26.5	.8	7.0	6.6	14	-	-	3.6	27	51	76	20	10	16	-	128	-
6	24	60	26.8	.6	6.8	8.5	8	-	-	3.0	33	58	84	30	15	34	-	162	-
6	29	60	26.0	1.0	7.3	6.2	12	-	-	7.0	38	57	82	20	15	22	-	132	-
7	7	60	26.0	1.9	7.1	1.2	12	-	-	1.4	17	34	68	20	20	24	-	138	-
7	14	60	26.0	.8	9.5	4.3	12	-	-	1.7	41	76	94	20	15	28	-	156	-
7	20	60	26.0	.0	7.3	11.8	12	-	-	2.2	55	58	110	20	20	28	-	174	-
7	27	60	28.0	.0	7.5	1.8	47	-	-	1.2	35	55	82	20	10	-	-	182	-
8	3	60	29.0	.0	7.0	10.5	23	-	-	3.6	43	48	84	10	10	32	-	191	-
8	10	60	28.0	.0	6.7	3.2	28	-	-	1.8	48	60	106	20	40	24	-	196	-
8	17	60	28.0	.0	7.1	1.6	28	-	-	2.6	41	38	70	20	20	28	-	183	-
8	31	60	29.0	.0	6.6	22.3	15	-	-	1.6	31	54	110	10	8	28	-	193	-
9	7	60	30.0	.0	6.8	9.0	36	-	-	2.8	68	65	120	10	20	28	-	212	-
9	14	60	26.0	.0	7.8	16.1	18	-	-	3.0	39	65	98	10	10	28	-	201	-
9	21	60	-	.0	7.5	7.0	44	-	-	2.2	38	48	104	20	10	16	-	192	-
9	28	60	24.0	.0	7.0	7.0	32	-	-	2.8	37	38	98	10	10	28	-	165	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MASSACHUSETTS

MAJOR BASIN NORTHEAST

SUB BASIN MERRIMAC RIVER

STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	19.0	4.0	6.7	.8	30	1.1	7.0	.4	11	16	30	45	7	14	-	89	*80
10	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*80
10	20	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4800
11	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*80
11	10	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7600
11	17	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7200
11	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
12	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4300
12	8	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	850
12	15	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
12	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2200
12	30	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
1	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
1	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
1	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220
2	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
2	9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1600
2	16	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270
4	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	59	27.0	6.4	7.9	.3	11	.8	2.9	.2	37	132	155	15	50	65	-	306	530
10	8	59	27.0	6.4	8.0	2.3	7	.8	3.3	.1	37	147	163	15	43	57	-	308	3400
10	15	59	26.0	5.1	7.9	1.7	44	.5	1.7	.2	55	112	133	15	1500	48	-	294	2200
10	22	59	20.0	6.5	8.2	.6	37	.3	2.4	.2	26	98	107	15	900	39	-	229	3800
10	29	59	18.0	7.5	8.1	.7	22	1.4	3.9	.2	33	97	117	15	515	41	-	233	1200
11	5	59	13.0	7.3	7.9	.5	15	1.0	3.2	.2	30	101	133	15	230	47	-	244	1100
11	12	59	18.0	8.4	8.1	.9	12	1.0	3.2	.2	31	105	133	15	195	53	-	257	1100
11	19	59	16.0	8.5	8.3	.4	28	.8	3.7	.2	48	107	147	15	355	51	-	273	2100
12	3	59	12.0	-	8.3	-	10	1.6	4.5	.2	36	115	168	15	52	69	-	286	180
12	10	59	11.0	9.9	8.3	.9	11	1.4	3.7	.2	35	116	171	15	57	62	-	276	200
12	17	59	7.0	9.9	8.2	1.1	15	1.2	4.3	.2	42	102	155	15	208	55	-	264	730
12	30	59	4.0	9.4	8.0	1.3	24	1.4	4.7	.1	30	83	117	15	340	41	-	240	-
1	7	60	4.0	9.9	7.9	1.2	33	1.6	4.7	.1	25	80	101	15	285	41	-	200	1400
1	14	60	11.0	10.2	7.7	1.5	27	.8	3.6	.2	23	90	116	15	195	37	-	194	1200
1	21	60	10.0	10.3	8.0	1.5	31	1.4	2.7	.1	24	89	123	15	215	37	-	200	-
1	28	60	9.0	10.1	8.0	1.3	24	1.4	4.6	.2	23	89	125	15	270	41	-	210	850
2	4	60	9.0	10.3	7.7	1.8	28	.8	5.8	.2	21	86	118	15	495	35	-	210	560
2	11	60	9.0	10.4	8.2	2.0	15	1.2	4.4	.2	20	81	125	15	215	39	-	187	1700
2	18	60	9.0	9.9	8.2	1.0	12	.0	4.4	.2	33	94	141	15	230	46	-	230	510
2	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	800
2	26	60	7.0	10.5	8.3	1.4	18	1.3	4.2	.2	24	98	154	15	270	45	-	232	-
3	3	60	-	11.1	7.8	2.0	15	1.5	4.2	.1	26	89	148	15	320	46	-	210	1200
3	10	60	6.0	10.7	7.8	1.8	10	1.3	4.0	.1	27	94	177	15	165	42	-	217	330
3	17	60	9.0	11.4	7.8	1.7	13	1.1	2.9	.1	25	87	139	15	145	38	-	201	260
3	24	60	7.0	10.7	7.7	1.2	10	1.1	3.5	.1	29	89	141	15	130	35	-	166	600
3	31	60	7.0	10.5	7.7	1.4	10	.5	2.7	.2	30	89	139	15	180	39	-	207	850
4	7	60	15.0	9.3	7.9	1.0	9	.8	2.6	.2	29	93	143	15	180	48	-	226	100
4	14	60	12.2	-	7.5	-	35	.3	1.3	.1	18	94	139	15	910	36	-	199	-
4	21	60	14.0	7.1	7.6	1.1	23	.5	1.3	.1	16	87	127	15	455	42	-	183	-
4	28	60	17.0	6.5	7.5	.6	16	.5	1.3	.1	18	92	136	15	415	41	-	214	750
5	5	60	19.0	6.5	7.4	.7	18	1.4	4.7	.2	16	101	143	15	355	40	-	213	1300
5	12	60	20.0	7.1	7.7	.9	17	.6	1.4	.1	18	114	155	15	270	39	-	306	950
5	19	60	22.0	6.7	7.7	.5	26	.7	2.3	.1	22	109	152	15	555	40	-	215	1000
5	26	60	22.0	6.6	8.0	.5	22	1.1	3.2	.2	15	99	143	15	395	44	-	216	300
6	2	60	23.0	5.9	7.7	.7	19	1.1	2.3	.2	22	102	141	15	375	46	-	209	860
6	9	60	25.0	5.9	7.6	.5	21	1.2	4.4	.2	16	101	136	15	375	45	-	206	330
6	16	60	25.0	5.7	7.7	.9	19	1.2	3.8	.2	27	108	148	15	395	45	-	230	1300
6	23	60	27.0	5.4	8.1	.0	16	1.4	4.4	.2	23	118	161	15	270	44	-	233	730
6	30	60	27.0	5.6	7.8	.2	27	1.2	3.8	.2	33	124	170	15	320	52	-	266	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centig. scale)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	7	60	28.0	5.5	7.8	.2	23	1.2	3.8	.2	25	109	155	15	375	49	-	241	990
7	14	60	28.0	5.4	7.8	.5	34	.6	3.8	.1	19	92	126	15	620	36	-	191	1500
7	21	60	32.0	5.5	7.6	.5	28	1.2	2.7	.2	18	96	132	15	475	36	-	218	-
7	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
7	28	60	29.0	4.9	8.0	.1	17	1.0	3.6	.1	23	110	146	15	355	32	-	229	-
8	4	60	30.0	5.3	7.9	.3	16	.9	2.8	.1	28	122	170	15	375	47	-	256	1100
8	11	60	30.0	5.4	7.9	.2	11	1.3	3.6	.2	28	116	152	15	215	41	.2	230	56000
8	18	60	30.0	5.4	7.9	.1	11	1.0	3.8	.2	26	127	158	15	145	46	.2	245	920
8	25	60	29.0	5.7	8.4	.3	8	.8	3.0	.1	25	130	158	15	57	51	.2	251	-
9	1	60	29.0	5.6	7.9	.3	8	1.0	3.5	.2	31	120	172	15	50	50	.2	238	7000
9	9	60	30.0	5.7	8.0	.5	7	.9	3.5	.2	29	124	158	15	75	49	.2	238	1100
9	15	60	29.0	5.7	7.9	.3	13	.9	2.8	.2	50	122	172	15	136	60	.2	295	2500
9	22	60	29.0	5.8	7.9	.2	13	.9	2.8	.1	30	117	158	15	107	60	.2	258	-
9	29	60	28.0	6.0	8.3	.3	8	1.0	3.3	.1	26	127	160	15	124	46	.2	243	500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT DELTA, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	26.4	7.1	7.4	2.1	26	1.6	-	.1	29	100	124	-	925	54	-	218	-
10	12	59	24.4	6.4	7.3	1.7	24	1.8	-	.1	28	94	100	-	740	51	-	225	-
10	19	59	24.0	6.6	7.4	.9	14	.9	1.2	.1	22	95	98	-	425	44	-	194	-
10	26	59	22.0	6.4	7.4	1.0	12	1.1	1.4	.1	24	100	120	-	320	44	-	210	-
11	2	59	16.0	6.2	7.4	-	-	-	-	.1	31	103	134	-	280	49	-	207	-
11	9	59	14.4	6.4	7.2	.8	11	1.1	1.4	.1	22	114	132	-	240	49	-	206	-
11	16	59	11.2	6.2	7.4	.8	9	.9	1.0	.1	22	94	122	-	320	38	-	210	-
11	23	59	7.6	6.4	7.4	1.0	8	1.1	1.6	.0	22	108	118	-	240	32	-	200	-
11	30	59	7.4	5.9	7.4	.8	8	.9	1.1	.1	24	98	120	-	220	32	-	210	-
12	7	59	6.8	5.8	7.3	1.2	10	1.2	1.8	.1	22	98	124	-	200	28	-	194	-
12	14	59	5.9	5.8	7.4	.9	11	1.1	1.5	.1	22	100	130	-	-	34	-	200	-
12	21	59	5.4	6.4	7.3	.8	9	.8	1.1	.1	28	104	132	-	-	38	-	208	-
12	28	59	5.2	5.8	7.4	.8	8	.9	1.3	.1	26	114	120	-	-	38	-	203	-
1	11	60	7.0	10.6	7.7	1.2	33	1.4	3.8	.1	12	89	132	-	190	32	-	215	-
1	28	60	5.0	9.6	7.8	.9	27	1.5	4.2	.1	13	95	134	-	300	28	-	222	-
2	1	60	6.0	9.8	7.7	.8	16	1.2	4.4	.1	10	72	102	-	260	21	-	186	-
2	8	60	6.0	9.6	7.6	1.2	31	1.4	5.2	.1	19	80	112	-	-	25	-	190	-
2	15	60	6.0	9.5	7.7	1.4	32	1.5	4.8	.1	38	92	111	-	240	34	-	285	-
2	22	60	5.0	9.8	7.6	1.2	28	1.2	4.4	.1	27	84	108	-	260	31	-	243	-
2	29	60	5.0	9.6	7.6	1.0	21	1.2	3.6	.1	20	82	106	-	180	29	-	226	-
3	7	60	7.0	9.4	7.7	1.0	16	1.2	4.2	.1	25	85	110	-	122	34	-	232	-
3	14	60	6.0	9.6	7.7	.8	18	1.1	4.4	.1	-	-	-	-	-	28	-	-	-
5	4	60	17.2	6.8	7.4	-	25	4.2	5.6	.1	17	102	140	-	-	45	-	-	-
5	18	60	17.2	8.0	7.5	-	24	3.6	4.9	.1	15	104	146	-	-	43	-	270	-
6	2	60	22.2	6.5	7.4	1.0	22	1.1	3.8	.1	19	90	140	-	350	46	-	222	-
6	16	60	-	6.7	7.6	.8	23	.8	3.6	.1	19	109	159	-	320	43	-	217	-
7	12	60	27.7	6.0	7.3	.9	20	1.1	2.4	.1	22	110	131	-	120	41	-	218	-
7	26	60	27.8	5.9	7.3	.8	22	1.2	2.8	.1	19	100	130	-	150	38	-	212	-
8	12	60	27.1	6.1	7.2	1.2	26	1.0	3.2	.1	23	132	125	-	260	45	-	215	-
8	24	60	27.7	6.0	7.6	1.2	20	.8	2.4	.1	22	99	120	-	340	49	-	210	-
9	7	60	27.7	5.8	7.7	1.0	21	.8	3.2	.1	18	110	138	-	550	56	-	202	-
9	28	60	22.2	7.2	7.9	1.8	14	1.4	3.2	.1	25	112	130	-	225	34	-	210	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	23.6	6.5	7.8	.5	29	1.1	2.5	.1	16	108	142	17	525	41	-	256	30000
10	12	59	20.3	6.7	7.7	.8	37	1.3	3.2	.1	12	90	126	22	610	46	-	230	42000
10	19	59	16.3	7.2	7.8	1.0	31	1.1	2.5	.1	14	86	130	23	490	42	-	258	21000
10	26	59	15.8	8.2	7.9	1.3	26	.6	1.7	.1	14	98	150	22	260	54	-	244	42000
11	2	59	14.7	8.6	8.0	1.2	21	1.5	3.6	.2	17	104	170	18	225	58	-	292	-
11	9	59	11.9	8.8	7.8	.7	22	1.2	3.5	.2	18	92	156	22	150	56	-	254	13000
11	16	59	8.4	9.9	7.8	1.0	20	1.7	7.2	.2	19	98	162	22	85	60	-	274	12000
11	23	59	8.8	10.4	7.7	1.4	23	1.3	6.5	.2	19	92	160	18	135	62	-	258	26000
11	30	59	5.1	10.9	7.9	1.2	14	1.0	3.5	.2	21	96	166	18	90	59	-	262	13000
12	7	59	5.8	10.8	7.8	1.5	20	1.0	9.5	.2	29	88	148	12	140	49	-	248	9200
12	14	59	5.6	10.3	7.9	2.2	39	.7	4.7	.4	17	88	134	12	140	48	-	234	130000
12	21	59	6.4	10.9	7.9	1.7	23	.8	8.1	.2	15	68	120	11	170	47	-	194	3400
12	28	59	7.0	10.7	7.8	1.2	25	.9	8.4	.2	12	68	114	13	170	34	-	192	3600
1	4	60	6.0	11.0	7.7	1.0	22	1.0	9.8	.1	12	82	122	13	150	37	-	196	2800
1	11	60	5.9	11.2	7.8	.9	20	.7	8.5	.2	11	84	128	12	180	35	-	214	4000
1	18	60	6.0	10.9	7.9	1.9	22	1.0	12.4	.2	11	80	128	8	130	45	-	198	2600
1	25	60	3.0	10.9	7.9	1.5	41	.5	9.3	.1	10	80	120	17	650	35	-	190	4500
2	1	60	3.9	10.6	7.8	1.5	25	1.0	10.7	.2	10	70	104	17	210	34	-	180	8900
2	8	60	4.6	11.6	8.0	1.2	17	.8	11.0	.2	12	88	145	12	110	45	-	218	2400
2	15	60	3.9	11.4	8.0	.9	30	.9	10.0	.2	12	92	142	12	195	38	-	220	7200
2	22	60	3.7	11.3	7.9	1.0	16	.8	12.0	.3	10	84	132	10	320	31	-	196	2700
2	29	60	3.0	12.1	8.0	1.6	16	.8	12.5	.2	10	86	130	9	145	42	-	204	3800
3	7	60	2.0	12.6	8.0	1.4	19	.8	9.0	.2	10	88	132	7	110	37	-	194	2400
3	14	60	2.9	12.8	8.0	1.1	15	.9	12.3	.2	11	82	132	6	85	34	-	182	3400
3	21	60	3.9	12.3	7.9	1.8	13	.8	10.2	.2	10	92	132	7	90	34	-	194	4500
3	28	60	6.5	11.0	7.8	2.1	23	2.1	12.1	.4	11	87	140	8	150	46	-	199	4000
4	4	60	8.9	9.8	7.8	1.4	35	1.4	7.5	.2	11	96	138	11	580	39	-	220	11000
4	11	60	9.8	9.9	7.8	1.6	36	2.6	18.9	.3	8	74	114	15	600	34	-	170	2800
4	18	60	13.1	8.1	7.8	1.9	22	1.2	11.3	.3	6	76	118	12	270	35	-	168	31000
4	25	60	17.2	6.1	7.6	1.8	30	2.1	11.9	.1	9	78	126	17	430	33	-	194	63000
5	2	60	17.3	7.2	7.8	.9	22	2.2	12.3	.1	8	106	152	14	280	35	-	230	13000
5	9	60	17.8	7.7	7.9	.8	25	2.7	17.7	.1	9	108	160	17	400	48	-	233	15000
5	16	60	16.8	7.4	7.7	1.0	32	2.9	19.8	.1	8	96	140	17	600	37	-	212	22000
5	23	60	20.0	7.0	7.8	.7	24	3.1	17.0	.1	10	96	148	16	200	46	-	226	18000
5	31	60	22.8	6.4	7.7	.8	48	2.6	14.0	.1	10	96	146	17	625	47	-	238	40000
6	6	60	23.9	6.1	7.7	.7	-	3.0	15.8	.2	9	100	148	19	400	44	-	220	20000
6	13	60	24.8	6.3	7.8	.5	20	3.2	16.1	.1	8	122	172	17	260	45	-	276	16000
6	20	60	25.2	6.2	7.9	.7	20	-	-	.0	12	121	174	16	580	45	-	276	41000
6	27	60	25.0	6.2	7.7	.6	29	3.1	16.0	.1	10	106	154	16	440	45	-	246	16000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	25.6	5.7	7.7	.8	44	3.2	18.0	.1	8	84	128	16	1000	35	-	-	39000
7	11	60	26.8	5.6	7.8	.6	41	3.9	19.7	.1	7	86	126	18	900	36	-	194	24000
7	18	60	27.5	6.0	8.0	.7	28	3.5	17.3	.1	8	106	146	13	280	30	-	240	13000
7	25	60	28.8	6.0	8.0	.5	21	3.7	18.8	.1	9	108	144	12	305	36	-	220	25000
8	1	60	29.7	5.9	8.1	.4	25	3.4	17.3	.1	10	108	164	14	280	41	-	256	21000
8	8	60	29.8	6.1	8.0	.4	9	3.0	13.2	.1	10	128	174	13	180	50	-	264	13000
8	15	60	29.0	6.5	8.0	1.0	12	2.9	13.2	.1	14	122	174	11	50	52	-	260	-
8	22	60	27.6	7.1	7.9	1.1	15	2.5	11.6	.2	12	133	159	9	130	41	-	258	23000
8	29	60	28.8	-	8.1	-	15	4.0	18.9	.2	14	121	170	8	85	57	-	290	21000
9	6	60	31.0	6.0	8.1	.7	14	3.1	13.9	.1	14	110	156	10	180	52	-	264	32000
9	12	60	27.5	6.9	8.0	1.1	23	3.2	15.5	.2	11	102	138	13	550	40	-	216	28000
9	19	60	28.5	6.9	8.0	1.5	24	4.2	20.4	.2	14	108	148	11	200	41	-	250	70000
9	26	60	24.0	7.1	8.0	.5	13	3.6	15.2	.1	17	100	150	9	20	50	-	262	34000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (Platinum cobalt)	TURBIDITY (Jackson candle)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	21.0	-	7.7	-	-	-	-	-	16	104	134	-	960	-	-	-	-
10	12	59	17.0	-	7.7	-	-	-	-	-	13	102	132	-	1000	-	-	-	-
10	19	59	16.0	-	7.7	-	-	-	-	-	14	76	142	-	500	-	-	-	-
10	26	59	15.0	-	7.7	-	-	-	-	-	16	118	182	-	260	-	-	-	-
11	2	59	14.0	-	7.7	-	-	-	-	-	16	138	186	-	460	-	-	-	-
11	9	59	10.0	-	7.7	-	-	-	-	-	17	144	190	-	220	-	-	-	-
11	16	59	8.0	-	7.7	-	-	-	-	-	18	72	160	-	220	-	-	-	-
11	23	59	6.0	-	7.7	-	-	-	-	-	21	164	214	-	140	-	-	-	-
11	30	59	4.0	-	7.7	-	-	-	-	-	20	164	208	-	80	-	-	-	-
12	7	59	4.0	-	7.8	-	-	-	-	-	23	172	198	-	80	-	-	-	-
12	14	59	5.0	-	7.8	-	-	-	-	-	20	110	210	-	180	-	-	-	-
12	21	59	5.0	-	7.7	-	-	-	-	-	21	126	204	-	220	-	-	-	-
12	28	59	8.0	-	7.8	-	-	-	-	-	21	170	208	-	140	-	-	-	-
1	4	60	5.0	-	7.8	-	-	-	-	-	18	148	182	-	240	-	-	-	-
1	11	60	4.5	-	7.7	-	-	-	-	-	21	182	200	-	220	-	-	-	-
1	18	60	5.0	-	7.7	-	-	-	-	-	19	168	208	-	420	-	-	-	-
1	25	60	3.0	-	7.7	-	-	-	-	-	17	116	156	-	760	-	-	-	-
2	1	60	2.0	-	7.7	-	-	-	-	-	15	138	178	-	260	-	-	-	-
2	8	60	3.0	-	7.7	-	-	-	-	-	18	158	214	-	140	-	-	-	-
2	15	60	2.5	-	7.7	-	-	-	-	-	18	150	202	-	300	-	-	-	-
2	23	60	3.0	-	7.7	-	-	-	-	-	20	154	218	-	220	-	-	-	-
2	29	60	2.0	-	7.7	-	-	-	-	-	20	176	228	-	180	-	-	-	-
3	7	60	2.5	-	7.7	-	-	-	-	-	24	164	228	-	80	-	-	-	-
3	14	60	2.0	-	7.7	-	-	-	-	-	23	162	240	-	80	-	-	-	-
3	21	60	4.0	-	7.7	-	-	-	-	-	24	160	232	-	80	-	-	-	-
3	28	60	6.0	-	7.7	-	-	-	-	-	19	146	170	-	140	-	-	-	-
4	4	60	8.5	-	7.7	-	-	-	-	-	13	98	116	-	1380	-	-	-	-
4	11	60	9.0	-	7.7	-	-	-	-	-	10	96	114	-	680	-	-	-	-
4	18	60	14.0	-	7.7	-	-	-	-	-	8	82	146	-	300	-	-	-	-
4	25	60	17.0	-	7.7	-	-	-	-	-	9	120	156	-	580	-	-	-	-
5	2	60	17.5	-	7.7	-	-	-	-	-	10	122	182	-	240	-	-	-	-
5	9	60	17.0	-	7.8	-	-	-	-	-	10	130	148	-	380	-	-	-	-
5	16	60	17.0	-	7.7	-	-	-	-	-	8	110	148	-	580	-	-	-	-
5	23	60	20.0	-	7.7	-	-	-	-	-	10	100	180	-	340	-	-	-	-
5	30	60	22.0	-	7.9	-	-	-	-	-	10	90	140	-	500	-	-	-	-
6	6	60	24.0	-	8.2	-	-	-	-	-	11	134	180	-	460	-	-	-	-
6	13	60	25.0	-	7.7	-	-	-	-	-	11	140	174	-	720	-	-	-	-
6	20	60	23.0	-	7.7	-	-	-	-	-	11	130	164	-	760	-	-	-	-
6	27	60	24.0	-	7.7	-	-	-	-	-	12	138	160	-	1120	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	25.0	-	7.8	-	-	-	-	-	10	64	150	-	1120	-	-	-	-
7	11	60	25.0	-	7.7	-	-	-	-	-	11	116	160	-	760	-	-	-	-
7	18	60	26.0	-	7.7	-	-	-	-	-	10	110	190	-	500	-	-	-	-
7	25	60	27.0	-	7.8	-	-	-	-	-	16	140	198	-	420	-	-	-	-
8	1	60	28.5	-	7.8	-	-	-	-	-	16	146	186	-	340	-	-	-	-
8	8	60	29.0	-	7.9	-	-	-	-	-	19	152	216	-	120	-	-	-	-
8	15	60	27.5	-	8.0	-	-	-	-	-	19	130	200	-	120	-	-	-	-
8	22	60	27.0	-	7.9	-	-	-	-	-	19	142	196	-	220	-	-	-	-
8	29	60	28.0	-	7.8	-	-	-	-	-	16	126	182	-	500	-	-	-	-
9	6	60	28.3	-	7.8	-	-	-	-	-	13	126	168	-	860	-	-	-	-
9	12	60	26.5	-	7.9	-	-	-	-	-	15	128	176	-	380	-	-	-	-
9	19	60	25.0	-	7.8	-	-	-	-	-	18	108	420	-	220	-	-	-	-
9	26	60	24.5	-	7.9	-	-	-	-	-	17	146	206	-	140	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	19.8	8.8	7.5	3.5	-	-	-	.2	-	112	136	30	350	66	-	196	3000
10	12	59	16.4	-	7.3	-	-	-	-	.1	13	96	128	40	900	48	-	198	13000
10	19	59	14.3	9.4	7.4	2.7	-	-	-	.2	15	120	144	38	175	53	-	231	18000
10	26	59	13.5	10.0	7.8	2.5	-	-	-	.2	16	140	168	45	110	58	-	248	13000
11	2	59	12.0	10.7	7.7	2.9	-	-	-	.2	17	144	186	45	100	59	-	241	6000
11	9	59	9.0	11.7	7.8	3.5	-	-	-	.2	16	148	182	42	175	51	-	263	34000
11	16	59	6.0	12.6	7.6	3.9	-	-	-	.4	16	140	176	41	200	59	-	219	15000
11	23	59	3.5	13.0	7.7	3.8	-	-	-	.4	17	150	178	39	90	56	-	291	6000
11	30	59	2.9	13.4	7.9	4.1	-	5.0	11.0	.4	17	162	212	39	70	61	-	293	7700
12	7	59	2.3	13.7	7.9	4.8	-	-	-	.5	16	172	226	38	60	66	-	259	3100
12	14	59	3.4	13.2	7.9	4.4	-	-	-	.5	16	180	232	38	40	65	-	292	4400
12	21	59	3.7	13.1	8.0	3.9	-	-	-	.4	17	182	228	38	50	63	-	295	1700
12	28	59	4.9	12.9	8.1	4.3	-	-	-	.4	15	180	224	32	50	70	-	302	3500
1	4	60	3.0	13.0	7.8	4.9	-	-	-	.5	15	162	204	30	325	71	-	286	7300
1	11	60	2.4	13.0	7.8	4.6	-	-	-	.5	16	170	224	28	120	78	-	301	3600
1	18	60	2.5	11.2	7.7	5.8	-	-	-	.5	13	156	174	28	1200	56	-	257	6500
1	25	60	.5	12.6	7.5	6.4	-	-	-	.6	13	138	172	26	300	62	-	236	7300
2	1	60	.5	13.0	7.6	6.8	-	-	-	.6	14	170	226	30	140	74	-	304	2700
2	8	60	1.5	11.5	7.7	6.2	-	-	-	.9	18	168	240	27	150	90	-	309	230
2	15	60	1.0	12.3	7.7	-	-	7.4	10.0	1.0	16	190	240	28	150	93	-	346	3200
2	23	60	.5	13.1	7.8	6.1	-	5.0	10.5	1.1	17	174	256	28	90	91	-	328	-
2	24	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
2	29	60	.2	14.3	7.8	6.8	-	5.2	10.1	1.2	16	180	248	25	70	85	-	301	3800
3	7	60	.3	14.3	7.7	5.1	-	-	-	1.1	17	192	256	27	75	79	-	319	1300
3	14	60	.3	14.3	7.6	4.9	-	-	-	1.1	16	194	260	21	25	74	-	327	2100
3	21	60	1.0	14.0	7.7	6.4	-	-	-	1.1	18	188	246	20	35	82	-	304	1700
3	28	60	4.2	12.9	7.7	8.2	-	-	-	.7	15	178	226	38	300	88	-	293	5200
4	4	60	4.2	9.8	7.5	6.2	-	-	-	.8	7	102	124	30	600	37	-	190	1400
4	11	60	7.0	9.6	7.6	6.8	-	-	-	.9	8	112	136	20	300	59	-	215	5000
4	18	60	12.0	8.2	7.8	3.6	-	-	-	.6	10	136	178	19	300	59	-	273	3500
4	25	60	15.5	6.7	7.8	3.8	-	1.8	8.3	.3	10	146	190	22	300	63	-	290	4700
5	2	60	15.7	6.8	7.8	2.0	-	-	-	.2	11	156	208	20	200	70	-	280	4700
5	9	60	15.5	7.0	7.8	2.1	-	-	-	.2	12	160	220	21	170	70	-	294	2100
5	16	60	14.5	7.7	7.7	2.1	-	3.2	11.5	.2	9	152	188	20	250	60	-	280	1700
5	23	60	17.4	6.8	7.7	2.0	-	-	-	.2	7	142	176	30	325	57	-	226	660
5	31	60	19.2	5.5	7.7	1.5	-	-	-	.2	8	138	178	30	450	68	-	240	6400

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	6	60	22.5	5.0	7.9	2.6	-	-	-	.2	10	164	214	27	300	70	-	279	2800
6	13	60	22.5	4.8	7.9	2.6	-	-	-	.2	12	164	216	25	400	63	-	334	30000
6	20	60	22.5	4.9	8.0	2.3	-	-	-	.1	8	152	214	25	350	59	-	330	990
6	27	60	23.0	4.2	7.7	1.0	-	-	-	.2	7	124	168	30	1000	83	-	278	15000
7	1	60	25.1	5.9	7.8	3.3	-	-	-	.1	10	142	184	21	250	46	-	270	-
7	5	60	23.5	4.5	7.7	2.8	-	-	-	.2	7	132	172	25	600	60	-	234	5700
7	11	60	24.6	4.2	7.8	2.2	-	-	-	.2	11	176	224	24	200	75	-	304	24000
7	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12000
7	25	60	26.6	5.8	8.0	1.2	-	-	-	.1	10	176	212	20	75	69	-	300	5600
8	1	60	28.0	5.8	8.0	3.0	-	-	-	.1	12	184	232	25	50	75	-	360	1900
8	8	60	29.1	5.7	8.4	3.2	-	-	-	.1	18	180	238	31	35	78	-	362	6800
8	15	60	27.0	6.0	8.4	3.4	-	4.2	9.5	.1	16	168	210	28	50	72	-	304	8500
8	22	60	27.0	5.5	8.2	3.6	-	-	-	.2	14	168	216	30	40	76	-	288	12000
8	29	60	27.4	5.3	8.2	1.5	-	-	-	.2	11	172	204	27	75	71	-	240	1800
9	5	60	28.4	5.1	8.0	1.6	-	-	-	.1	11	186	208	22	50	55	-	289	4400
9	12	60	28.0	5.0	7.8	1.4	-	-	-	.1	11	168	198	25	80	59	-	276	11000
9	19	60	25.1	5.1	7.7	1.9	-	-	-	.1	12	168	204	20	80	68	-	284	20000
9	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	13	59	8.6	8.7	8.0	2.8	-	-	-	-	8	92	104	75	25	-	-	-	1900
10	19	59	9.2	8.4	8.0	3.3	-	-	-	-	9	100	106	-	*75	-	-	-	-
10	26	59	9.0	8.8	8.1	3.5	-	-	-	-	10	101	112	-	75	-	-	-	-
10	27	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
11	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2900
11	10	59	7.6	11.0	7.7	2.2	-	-	-	-	9	109	115	150	50	-	-	-	-
11	23	59	3.0	13.2	7.8	1.8	-	-	-	-	9	119	147	200	95	-	-	-	-
12	1	59	2.5	12.5	7.6	2.3	-	-	-	-	8	117	142	200	100	-	-	-	28
12	8	59	.3	12.8	7.5	2.5	-	-	-	-	5	107	135	200	100	22	.1	145	22
1	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5000
1	26	60	.2	12.4	7.7	2.1	-	-	-	-	7	139	148	80	*25	-	-	-	87
2	2	60	.4	12.0	7.8	3.0	-	-	-	-	8	143	158	75	*25	-	-	-	64
2	9	60	2.2	12.2	7.8	3.3	-	-	-	-	8	142	156	75	*25	-	-	-	240
2	16	60	.3	13.0	7.8	3.0	-	-	-	-	9	138	150	75	*25	-	-	-	220
2	23	60	.4	13.8	7.9	3.3	-	-	-	-	8	135	148	50	*25	-	-	-	10
3	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
3	10	60	.4	13.5	7.7	5.3	-	-	-	-	-	130	146	50	-	-	-	-	-
3	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660
4	11	60	9.3	11.5	8.1	5.2	-	-	-	-	9	145	149	260	180	-	-	-	82
5	23	60	19.5	7.7	8.1	9.0	-	-	-	-	8	120	129	100	95	-	-	-	160
6	6	60	21.0	8.3	8.2	5.1	-	-	-	-	6	145	150	-	60	-	-	-	110
6	14	60	20.1	6.6	7.7	5.3	-	-	-	-	8	117	162	-	42	-	-	-	-
6	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
6	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
6	27	60	21.0	6.4	8.0	4.4	-	-	-	-	7	115	137	-	40	-	-	-	-
7	9	60	22.0	5.0	8.0	4.2	-	-	-	-	8	110	135	-	40	-	-	-	-
7	11	60	22.0	5.2	8.0	4.8	-	-	-	-	9	105	138	-	40	-	-	-	250
7	18	60	22.2	5.5	8.0	4.4	-	-	-	-	8	107	140	-	10	-	-	-	-
7	25	60	27.0	5.6	8.1	4.0	-	-	-	-	9	130	163	-	50	-	-	-	460
8	1	60	27.0	5.5	8.0	3.9	-	-	-	-	8	132	155	-	10	-	-	-	100
8	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
8	23	60	26.8	5.5	8.1	3.8	7	-	-	-	8	115	146	*100	10	-	-	-	2500
8	26	60	27.0	4.8	7.9	3.1	5	-	-	-	8	109	140	-	10	-	-	-	-
8	30	60	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	600
9	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (cobalt units)	TURBIDITY (silica units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	14.9	6.5	8.0	2.3	25	.4	11.5	.4	8	120	148	35	30	16	-	207	29000
10	20	59	9.3	9.4	8.1	2.7	27	.4	13.3	.4	8	143	144	35	30	20	-	224	21000
10	27	59	7.6	9.6	8.1	.3	26	.5	-	.3	8	140	170	40	30	17	-	203	57000
11	3	59	6.3	10.2	8.1	3.5	28	.5	13.3	.3	8	137	168	35	35	17	-	217	89000
11	10	59	3.4	12.6	8.2	4.5	28	.6	11.5	.3	8	146	176	40	10	8	-	214	56000
11	17	59	.2	13.2	8.2	4.7	31	.5	13.6	.4	11	157	198	35	20	16	-	258	11000
11	24	59	1.1	10.4	7.8	3.7	31	.5	-	.7	12	169	196	30	15	23	-	258	8400
12	1	59	1.7	10.6	7.9	4.9	26	.4	14.9	.5	11	171	214	30	10	32	-	286	39000
12	8	59	.6	11.4	7.9	4.1	28	.4	12.3	.4	10	157	194	30	9	30	-	249	44000
12	15	59	1.8	11.1	7.9	4.5	27	.5	15.0	.5	10	169	200	25	10	30	-	251	16000
1	5	60	.2	11.5	7.8	4.0	23	.5	13.0	.4	10	157	212	20	10	20	-	251	140
1	12	60	.3	9.3	7.7	3.1	22	.3	13.2	.6	10	167	210	25	20	33	-	276	6700
1	19	60	.2	8.7	7.8	3.0	23	.3	13.0	.7	13	176	224	20	9	36	-	284	920
1	26	60	.0	8.6	7.7	3.1	22	.4	14.4	.7	11	183	232	25	9	42	-	302	4800
2	2	60	.2	6.9	7.6	2.5	22	.3	14.6	.8	10	180	186	20	7	36	-	296	3500
2	9	60	.3	7.4	7.7	2.3	20	.2	14.4	.9	12	176	178	20	9	27	-	268	3000
2	16	60	1.0	7.8	7.7	2.7	20	.2	14.7	.9	13	180	214	20	7	30	-	281	2400
2	24	60	.4	6.5	7.5	1.8	21	.1	-	1.0	13	179	208	15	7	29	-	270	550
3	1	60	.3	6.5	7.7	2.0	21	.3	15.3	.9	15	179	206	20	6	27	-	258	900
3	8	60	.1	5.6	7.5	2.3	16	.0	14.3	1.0	11	182	214	20	7	23	-	266	180
3	15	60	.4	5.3	7.6	2.6	18	.4	14.5	1.0	11	177	208	15	6	26	-	250	3800
3	22	60	.6	7.3	7.6	.3	21	.3	15.6	1.0	15	175	198	15	7	23	-	249	1600
3	29	60	3.6	8.9	7.8	3.8	20	.2	15.4	.9	13	165	196	15	20	23	-	283	3400
4	5	60	1.4	10.2	7.8	6.6	40	.2	16.9	1.2	6	112	138	35	180	19	-	195	15000
4	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24000
4	19	60	7.8	9.5	7.8	3.6	29	.5	14.5	.2	6	122	188	35	100	45	-	243	45000
4	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120000
5	3	60	11.0	9.7	8.0	2.5	34	1.2	12.5	.1	7	132	180	40	70	49	-	274	-
5	10	60	9.4	9.9	8.0	3.2	38	2.4	12.9	.1	6	131	176	45	80	43	-	243	75000
5	24	60	17.5	6.8	7.9	3.1	45	.6	12.6	.1	7	148	170	40	290	38	.0	222	79000
6	1	60	18.8	6.8	7.8	2.2	29	.9	-	.1	7	145	202	35	85	50	.3	279	35000
6	7	60	18.1	7.2	8.1	3.5	37	.2	-	.1	5	164	228	45	100	59	.5	310	47000
6	14	60	20.5	6.4	7.9	3.0	38	.5	15.2	.1	5	151	191	55	80	43	-	266	-
6	21	60	19.7	6.4	8.0	2.8	33	.6	13.6	.1	7	149	180	50	50	41	-	260	-
6	28	60	22.5	6.8	8.1	3.4	36	.5	11.7	.1	7	167	224	40	75	56	.8	308	34000
7	12	60	24.6	7.1	8.2	4.0	31	.9	12.3	.1	8	158	207	40	35	55	-	287	1300
7	19	60	24.6	6.5	8.1	3.8	286	.5	11.6	.2	10	175	232	40	35	57	-	281	4000
7	26	60	25.4	7.6	8.4	4.2	31	.8	12.1	.0	9	158	216	40	50	61	.7	300	1300

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	2	60	25.6	8.4	8.5	6.4	31	1.4	12.0	.0	10	157	214	35	35	56	.5	295	-
8	9	60	24.9	8.3	8.4	4.9	34	1.0	11.8	.0	12	167	213	35	35	57	.5	302	1300
8	16	60	23.8	9.5	8.7	4.8	36	2.3	12.0	.0	10	152	188	35	50	38	.5	251	1000
8	23	60	24.5	10.2	8.6	5.1	32	3.0	11.9	.0	12	153	190	35	40	40	-	256	600
8	30	60	22.5	5.0	8.0	4.9	30	.5	8.5	.7	12	141	166	30	60	30	-	237	5100
9	6	60	26.2	6.3	8.0	4.1	27	2.3	11.6	.1	8	130	150	30	35	23	-	201	1700
9	13	60	20.4	7.1	8.1	3.0	24	.6	9.7	.0	7	126	148	25	25	23	-	190	1700
9	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
9	27	60	16.8	6.3	7.9	3.2	26	.9	11.8	.4	-	135	162	25	30	-	-	-	8500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT ST. LOUIS, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (Pt-Co units)	TURBIDITY (Jackson units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	17.2	8.2	8.1	1.4	18	-	-	-	15	104	150	26	1200	108	-	207	18000
10	12	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47000
10	13	59	14.4	8.7	8.2	1.8	16	-	-	.0	11	100	150	32	1100	60	-	187	-
10	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17000
10	20	59	14.4	9.7	8.1	1.5	10	-	-	.0	18	137	186	20	450	84	-	295	-
10	26	59	14.4	10.5	8.1	.6	9	4.8	-	.0	21	160	210	16	340	124	-	381	7200
11	2	59	13.3	11.2	8.2	3.1	17	3.5	-	.0	19	164	225	18	400	135	-	279	24000
11	9	59	8.3	10.1	8.1	1.6	8	2.0	-	.0	19	157	217	14	350	116	-	365	11000
11	16	59	4.4	11.0	8.1	2.7	8	2.3	-	.0	18	164	214	17	270	131	-	340	20000
11	23	59	4.4	11.8	8.2	3.5	8	2.0	-	.0	27	198	250	14	230	71	-	417	19000
11	30	59	2.2	11.9	8.2	3.6	7	3.0	-	.1	37	245	295	14	190	120	.3	536	4800
12	7	59	1.1	11.8	8.0	2.9	6	2.7	-	-	27	193	255	12	220	104	.2	409	1600
12	14	59	4.4	11.7	8.3	3.3	6	2.7	-	.2	36	205	268	13	135	120	.2	477	1200
12	21	59	2.2	10.3	8.2	3.3	7	2.9	-	.1	23	158	200	28	300	69	.2	326	-
12	28	59	5.6	10.0	8.0	5.2	7	2.8	-	.1	30	187	243	12	200	97	.1	372	-
1	4	60	2.2	11.8	8.0	4.3	13	3.3	-	.1	19	135	170	26	700	68	.1	292	-
1	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3900
1	11	60	4.4	12.8	8.2	3.8	8	2.7	-	.0	24	188	205	15	220	69	.4	287	3500
1	18	60	3.3	10.2	8.0	3.0	26	-	-	-	21	110	146	24	3000	69	.4	-	38000
1	25	60	2.2	12.8	8.1	3.9	13	-	-	-	20	110	165	26	850	41	.1	-	500
2	1	60	.6	12.9	8.2	3.7	7	-	-	-	23	175	225	14	210	97	.3	-	4600
2	8	60	4.4	12.0	8.1	5.9	13	-	-	-	21	146	196	17	600	76	.1	-	3800
2	15	60	1.1	12.8	8.0	4.8	13	-	-	-	21	142	195	26	700	68	.2	-	10000
2	23	60	.6	12.9	8.0	4.5	11	-	-	-	22	167	196	16	300	89	.2	-	7300
2	29	60	.6	13.6	7.9	4.6	5	-	-	-	22	179	227	18	120	87	.2	-	1800
3	7	60	1.1	12.9	7.9	3.2	4	-	-	-	26	188	238	14	75	83	.2	-	670
3	14	60	.6	12.9	8.3	3.7	4	-	-	-	27	183	243	12	105	78	.2	-	1500
3	21	60	4.4	11.2	8.0	2.3	5	-	-	-	22	166	214	14	120	64	.3	-	1500
3	28	60	10.0	10.3	9.0	3.6	10	-	-	-	15	130	179	24	800	48	.1	-	780
4	4	60	6.7	8.7	7.9	4.6	67	-	-	-	9	90	113	24	2400	26	.1	-	5400
4	11	60	8.9	8.7	8.1	3.7	50	-	-	-	10	98	128	25	1200	46	.1	-	3800
4	18	60	7.2	7.4	8.1	3.6	40	-	-	-	12	114	160	27	1000	39	.1	-	9600
4	25	60	15.5	7.8	8.0	1.5	42	-	-	-	9	121	182	24	650	46	.1	-	1400
5	2	60	13.9	7.7	8.1	2.0	23	-	-	-	15	127	180	28	550	45	.1	-	5000
5	9	60	13.9	7.8	8.0	1.3	55	-	-	-	12	98	138	28	1000	33	.1	-	10000
5	16	60	16.1	7.5	8.1	1.4	34	-	-	-	13	116	158	25	1150	64	.1	-	3000
5	23	60	21.1	7.2	8.0	1.6	64	2.5	-	-	16	141	205	26	1800	79	.2	-	9200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT ST. LOUIS, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (Standard Units)	TURBIDITY (Standard Units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS (per 100 ml.)
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	6	60	21.1	7.0	8.2	.4	37	-	-	-	18	155	220	26	1000	82	.2	-	11000
6	13	60	23.9	7.1	-	1.4	86	-	-	-	21	149	210	26	1800	85	.3	-	17000
6	20	60	23.3	6.8	-	1.8	87	-	-	-	18	133	188	28	2000	77	.3	-	15000
6	27	60	24.4	5.8	8.1	1.5	143	-	-	-	14	167	160	27	4500	58	.2	-	37000
7	5	60	23.3	5.2	8.1	2.0	94	-	-	-	13	110	146	27	3200	61	.2	-	24000
7	11	60	25.0	6.0	7.9	.7	58	-	-	-	-	115	145	40	950	58	.2	-	-
7	18	60	25.6	6.7	8.1	1.1	46	-	-	-	18	155	210	18	600	102	.3	-	9000
7	25	60	26.6	6.2	8.5	.5	26	-	-	-	20	142	192	20	950	114	.4	-	9400
8	1	60	26.2	6.4	8.4	.9	29	-	-	-	20	159	216	18	300	114	.3	-	11000
8	8	60	-	6.0	8.4	.8	9	-	-	-	27	160	227	15	190	131	.3	-	6500
8	15	60	25.6	6.2	8.3	1.3	83	-	-	-	19	129	169	14	1400	101	.4	-	15000
8	22	60	26.1	6.0	7.9	1.0	16	-	-	-	30	149	225	14	350	156	.3	-	8500
8	29	60	27.2	6.3	8.0	.5	28	-	-	-	23	126	188	16	400	105	.4	-	7000
9	6	60	27.8	6.0	8.0	1.0	67	-	-	-	16	109	157	18	1800	79	.3	-	-
9	12	60	17.2	6.8	8.2	.6	31	-	-	-	17	130	193	20	600	102	.4	-	7400
9	19	60	23.0	7.0	8.3	.4	11	-	-	-	20	152	235	14	300	139	.4	-	6400
9	26	60	21.1	7.4	8.0	1.0	18	-	-	-	23	153	221	14	1000	143	.4	-	10000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (cobalt units)	TURBIDITY (silica units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	14.1	7.1	7.8	4.2	88	2.9	11.0	.1	10	129	171	42	1700	114	-	310	74000
10	13	59	12.4	9.0	8.1	2.8	29	2.5	6.9	.0	18	170	229	17	385	162	-	453	23000
10	19	59	11.7	9.0	8.1	2.3	22	1.9	5.0	.0	14	171	239	20	280	177	-	482	40000
10	26	59	11.8	-	8.0	-	29	2.4	7.0	.0	15	163	227	17	470	166	-	456	9200
11	9	59	4.3	11.4	8.1	3.6	34	2.3	8.9	.1	21	170	233	-	660	154	-	468	15000
11	16	59	1.3	12.4	8.1	3.2	12	2.3	6.0	.1	20	195	243	15	250	135	-	454	41000
11	23	59	3.1	11.0	8.0	5.5	25	4.0	8.9	.5	24	269	308	12	210	131	-	518	27000
11	30	59	.6	12.8	7.9	-	28	3.0	7.4	.2	20	179	236	-	390	137	-	439	7700
12	7	59	1.0	12.1	7.9	3.2	16	3.5	6.7	.2	23	208	-	-	150	141	-	479	7000
12	21	59	3.1	11.8	8.0	3.7	15	2.2	5.1	-	24	195	253	12	135	134	-	468	24000
12	28	59	4.1	11.0	8.1	3.6	19	2.7	6.3	.0	22	194	241	15	150	126	-	438	83000
1	4	60	.0	12.9	8.0	4.0	28	3.3	7.4	.3	20	190	239	15	300	121	-	428	34000
1	11	60	1.0	11.8	7.9	5.0	23	4.6	9.3	.6	21	230	277	10	170	113	-	469	7000
1	18	60	.1	11.8	7.7	4.8	83	.9	11.5	.5	12	110	140	15	1425	66	-	258	33000
1	25	60	.7	12.5	7.9	2.0	16	3.8	6.7	.5	24	212	274	15	110	128	-	454	9500
2	1	60	.6	11.9	7.9	3.5	20	4.1	7.8	.6	25	195	260	12	180	133	-	462	15000
2	4	60	.0	12.8	8.0	4.0	26	3.3	7.4	.3	20	190	239	15	300	121	-	428	-
2	11	60	1.0	11.8	7.9	5.0	21	4.6	9.3	.6	21	230	277	10	170	113	-	469	-
2	15	60	.6	12.7	8.0	3.1	19	3.4	6.6	.4	17	187	234	15	140	128	-	427	10000
2	23	60	.0	12.9	8.0	1.9	15	3.8	6.0	.3	23	199	270	15	100	139	-	472	11000
2	29	60	.0	12.7	8.0	1.4	12	3.5	6.1	.3	24	204	260	12	75	132	-	477	6400
3	7	60	.0	12.7	8.0	1.9	12	3.9	6.0	.3	24	209	267	12	55	136	-	478	11000
3	14	60	.1	12.4	7.9	3.4	16	3.9	7.0	.4	23	192	248	10	120	130	-	445	10000
3	21	60	3.4	11.2	7.9	2.8	24	3.5	6.9	.4	22	198	253	8	120	125	-	443	8000
3	28	60	4.4	9.5	7.9	6.4	132	1.1	12.0	.5	16	155	212	20	2500	103	-	336	11000
4	4	60	4.3	9.7	7.9	5.4	93	8.9	15.1	.7	5	96	121	35	1400	50	-	208	25000
4	11	60	10.3	9.1	7.8	4.4	53	9.3	18.2	.6	6	114	144	45	750	52	-	213	10000
4	18	60	12.8	7.9	7.9	3.7	40	5.7	13.7	.3	9	144	181	38	550	62	-	308	3500
5	2	60	12.5	-	7.9	-	-	3.4	10.0	.7	16	162	224	25	470	92	-	338	79000
5	9	60	14.3	6.3	7.7	4.5	217	-	-	.1	14	146	205	20	6500	106	-	354	79000
5	31	60	20.8	6.5	7.8	2.1	87	3.5	10.0	.0	10	157	222	25	1600	107	-	369	9700
6	6	60	22.7	6.0	7.9	-	55	3.5	12.0	.5	15	187	262	17	1200	127	-	432	43000
6	13	60	20.8	5.6	8.0	-	135	4.8	11.0	.1	22	173	251	22	1400	136	-	433	36000
6	20	60	23.4	6.0	7.9	3.6	406	1.5	5.4	.0	15	147	200	30	4700	103	-	333	22000
6	27	60	23.7	6.1	8.0	2.3	124	3.0	11.0	.0	11	150	203	25	2000	96	-	343	44000
7	5	60	24.7	5.3	7.9	1.8	116	3.0	10.0	.1	12	134	195	25	1600	95	-	315	61000
7	11	60	24.7	4.7	7.9	2.5	182	2.3	9.5	.1	14	149	203	-	2500	127	-	362	86000
7	18	60	25.7	5.5	8.0	1.7	88	.8	6.9	.0	16	159	239	30	1000	116	-	378	10000
7	25	60	27.5	5.4	8.0	.7	51	2.3	8.0	.0	16	158	239	30	400	143	-	432	7700

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	1	60	25.9	6.5	8.1	1.5	38	2.9	10.0	.0	16	151	224	10	235	156	-	417	6000
8	8	60	26.8	5.4	8.1	1.7	27	3.1	12.2	.1	15	145	214	12	420	157	-	415	15000
8	15	60	24.4	6.2	8.1	1.3	26	3.0	9.9	.1	14	142	212	8	380	159	-	426	24000
8	22	60	25.0	5.5	7.9	2.0	59	4.2	12.2	.0	23	122	180	20	1000	131	-	374	15000
8	29	60	25.6	5.9	7.9	2.0	67	3.3	13.0	.0	11	124	171	30	1450	118	-	333	140000
9	12	60	23.3	6.8	7.9	1.6	12	2.6	8.5	.0	21	150	214	15	330	162	-	433	22000
9	19	60	21.4	6.9	8.1	1.7	18	2.4	8.3	.0	16	153	229	10	230	171	-	460	7000
9	26	60	18.9	5.6	7.8	3.5	70	2.8	-	.1	13	141	193	20	1600	131	-	511	47000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE OF SAMPLE			TEMP (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS p.p. 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	15.5	8.3	7.9	1.8	-	-	-	2.0	26	161	108	10	600	171	-	421	17000
10	12	59	13.3	10.0	7.8	1.0	-	-	-	.3	27	172	228	10	400	159	-	460	42000
10	20	59	13.3	-	8.2	-	-	-	-	.2	25	106	222	15	400	176	-	482	29000
10	26	59	10.6	9.4	8.3	2.4	-	2.5	3.0	-	23	176	228	10	320	177	-	493	33000
11	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3000
11	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
11	11	59	3.3	11.6	8.1	3.0	-	-	-	.1	28	180	214	10	220	139	-	459	-
11	16	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59000
11	19	59	1.6	11.8	-	-	-	2.5	3.0	.1	31	192	242	10	170	145	-	470	-
11	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47000
11	24	59	-	12.0	8.0	3.2	-	-	-	.2	31	228	258	-	120	157	-	489	-
12	4	59	1.1	13.0	8.3	-	-	2.5	3.0	.1	32	208	242	-	150	138	-	455	-
12	8	59	1.1	13.0	8.3	3.0	-	2.5	3.5	-	29	210	240	10	210	136	-	460	-
12	14	59	2.2	11.8	8.1	3.8	-	2.0	3.5	-	32	200	232	-	150	129	-	438	4200
12	21	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33000
12	28	59	3.3	11.8	8.1	3.0	-	2.5	3.0	.2	27	196	226	-	800	121	-	432	71000
1	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6900
1	7	60	.6	12.2	8.2	3.7	-	3.0	4.5	.3	32	172	236	-	80	122	-	458	-
1	12	60	1.7	11.2	8.3	3.1	-	2.5	3.0	.3	32	162	240	-	750	112	-	420	-
1	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25000
1	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25000
1	21	60	1.1	12.3	8.0	2.1	-	-	-	.3	32	230	272	-	110	156	-	501	-
1	25	60	1.1	12.5	8.1	2.5	-	2.5	3.5	.3	28	200	456	-	50	136	-	456	730
2	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
2	8	60	2.2	12.6	8.1	4.2	-	3.0	4.0	.2	27	196	228	15	250	154	-	409	19000
2	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
2	22	60	1.6	12.5	8.1	3.4	-	3.0	4.5	.3	28	194	286	-	75	138	-	460	*1000
2	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*1000
3	4	60	1.1	12.2	8.0	3.0	-	3.0	4.0	.3	30	200	268	-	50	156	-	486	-
3	7	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3300
3	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
3	15	60	1.1	8.8	8.1	1.4	-	3.5	4.5	-	34	172	220	-	50	111	-	428	-
3	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
3	22	60	2.2	9.2	8.0	1.8	-	4.2	5.5	-	33	198	240	-	50	-	-	-	-
3	28	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9000
3	29	60	2.2	8.6	7.7	-	-	4.8	6.0	-	23	94	127	-	6000	44	-	196	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
4	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30000
4	7	60	2.2	8.4	7.7	2.0	-	4.2	5.0	-	28	102	128	-	1500	46	-	214	-
4	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000
4	12	60	7.2	-	7.8	-	-	5.4	6.5	-	24	114	168	-	800	50	-	224	-
4	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5900
4	25	60	17.7	7.1	7.9	2.6	-	3.6	-	-	23	144	200	-	300	78	-	334	100
5	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47000
5	4	60	14.4	8.9	7.9	5.0	23	3.6	5.0	-	24	184	234	-	340	-	-	-	-
5	11	60	15.5	8.0	7.7	2.0	-	3.7	4.5	-	23	144	187	-	2000	78	-	321	-
5	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24000
5	19	60	17.7	8.5	7.7	-	-	3.2	4.4	-	-	184	224	15	3000	101	-	420	-
5	23	60	18.8	8.4	7.6	-	-	4.2	-	.2	19	136	170	-	3900	74	-	263	-
5	31	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14000
6	6	60	21.1	5.8	7.6	2.0	-	3.2	4.5	2.0	21	174	248	-	6970	-	-	-	38000
6	13	60	20.5	5.6	7.8	2.8	-	3.2	-	-	22	158	188	-	2700	95	-	301	-
6	20	60	20.5	5.6	7.4	2.5	-	3.0	4.0	.1	19	152	188	-	4500	-	-	360	-
6	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62000
6	25	60	20.0	6.3	7.7	1.6	-	3.6	-	.1	17	162	200	-	3200	-	-	410	17000
7	5	60	23.3	6.4	7.6	-	-	3.6	4.5	.1	17	180	244	15	800	173	-	410	69000
7	11	60	23.8	5.1	7.7	-	-	3.2	4.5	.1	17	162	208	10	500	-	-	420	19000
7	14	60	24.4	-	7.9	-	-	3.8	5.0	.1	18	156	234	-	1600	-	-	400	-
7	22	60	23.8	-	7.8	-	-	4.0	-	.2	20	142	200	15	900	100	-	440	-
7	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
8	3	60	25.5	-	7.9	-	-	3.2	-	.1	20	165	236	-	190	120	-	456	22000
8	8	60	26.6	-	7.8	-	-	3.6	-	.1	20	130	176	10	3500	91	-	312	26000
8	16	60	26.6	5.2	8.0	-	-	3.0	-	.2	20	154	198	-	240	157	-	423	19000
8	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33000
8	29	60	25.0	5.1	7.9	-	-	-	-	.2	21	134	172	15	4500	132	-	373	4000
9	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000
9	7	60	25.0	6.5	7.9	6.5	-	2.5	-	.1	20	120	182	15	350	-	-	410	-
9	12	60	22.0	7.1	7.5	-	-	3.5	-	.1	19	160	228	15	250	146	-	407	26000
9	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30000
9	22	60	20.0	7.2	8.0	2.2	-	4.5	-	.1	24	164	210	15	450	157	-	426	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT OMAHA, NEBRASKA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	13.6	8.5	8.2	1.1	16	1.3	3.0	.0	10	162	240	6	180	211	-	524	1000
10	12	59	10.5	8.8	8.3	2.5	24	1.3	3.1	.1	11	165	245	6	230	216	-	525	2700
10	19	59	10.0	7.8	8.1	1.4	45	1.2	4.0	.0	11	166	220	8	150	207	-	507	-
10	26	59	9.8	7.9	8.2	1.6	22	1.3	3.6	.1	10	158	224	6	180	204	-	490	-
11	2	59	8.0	8.8	8.2	1.2	20	1.7	4.6	.0	9	160	226	7	180	217	-	497	3900
11	9	59	2.0	12.2	8.0	1.7	40	2.2	4.8	.1	11	172	235	7	130	235	-	516	500
11	16	59	.4	13.1	8.1	2.3	16	2.7	4.6	.1	11	187	243	4	90	193	-	590	170
11	23	59	1.4	12.0	8.1	5.5	17	1.6	3.4	.1	12	170	224	8	130	182	-	492	2100
11	30	59	.3	12.3	7.9	3.9	23	1.8	4.1	.2	11	196	268	5	75	188	-	472	3800
12	7	59	.3	12.0	8.0	2.0	20	2.1	4.8	.1	11	170	250	5	95	189	-	360	4000
12	14	59	1.8	11.7	8.1	5.2	20	2.5	4.1	.1	10	180	250	5	45	187	-	514	-
12	21	59	1.5	12.9	8.0	6.3	15	2.2	3.7	.1	10	175	246	7	65	176	-	476	1500
12	28	59	2.4	10.6	8.1	3.2	34	2.7	4.6	.1	9	169	230	7	350	158	-	453	7700
1	4	60	.3	13.8	8.1	4.5	14	2.9	4.1	.2	10	178	250	7	35	168	-	483	8000
1	11	60	.3	11.6	8.0	4.5	17	1.8	3.7	.2	10	171	252	7	60	168	-	479	100
1	18	60	.3	10.6	8.0	1.2	12	2.2	3.2	.1	10	162	236	7	13	172	-	470	320
1	25	60	.3	10.3	7.9	2.9	17	2.1	3.8	.1	12	176	252	7	12	191	-	506	100
2	1	60	.2	11.2	7.9	5.0	22	1.9	4.2	.1	11	172	248	7	30	190	-	500	3000
2	8	60	.2	11.3	7.9	3.2	11	2.1	4.3	.1	9	167	236	6	15	180	-	513	940
2	15	60	.2	11.4	7.9	1.0	16	2.4	4.0	.1	12	175	252	5	15	190	-	486	360
2	22	60	.2	11.2	7.8	1.2	19	2.2	4.3	.2	12	165	252	6	15	191	-	489	550
2	29	60	.2	11.1	7.8	2.0	16	2.0	4.1	.2	11	161	242	10	10	176	-	504	*8
3	7	60	.2	10.3	7.7	1.4	16	2.1	4.0	.2	10	163	244	9	10	162	-	467	2300
3	14	60	.3	10.2	7.7	1.5	9	2.1	3.7	.1	11	158	236	9	10	170	-	482	7700
3	21	60	.3	10.6	7.9	1.6	10	1.8	3.8	.1	11	158	230	6	15	160	-	479	92
3	28	60	.3	11.1	7.9	1.3	27	2.9	4.5	.0	10	160	240	10	50	168	-	454	230
4	4	60	2.0	8.3	8.2	3.5	94	12.0	20.9	.2	5	90	112	30	1600	51	-	288	-
4	11	60	6.2	8.0	7.9	5.0	54	11.3	14.4	.1	5	103	142	9	140	52	-	291	1100
4	18	60	9.9	8.5	8.0	2.9	54	7.4	23.1	.1	6	120	166	24	400	67	-	282	9400
4	25	60	17.8	6.4	7.7	4.4	30	4.8	7.6	.0	6	123	200	24	270	99	-	334	890
5	2	60	10.5	8.6	7.8	1.8	23	3.4	9.1	.0	7	135	230	22	350	107	-	345	7700
5	9	60	12.7	7.6	7.9	3.0	40	2.1	9.4	.1	10	164	236	22	230	134	-	420	-
5	16	60	17.4	7.7	8.0	3.3	20	3.1	8.5	.1	10	161	266	22	300	172	-	444	12000
5	23	60	17.0	6.5	7.9	1.9	36	12.1	18.0	.1	9	139	226	24	1200	136	-	364	15000
5	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15700
5	31	60	19.3	7.1	8.1	2.0	22	4.0	8.2	.1	9	181	206	16	310	158	-	455	-
6	6	60	21.2	7.4	8.3	1.6	25	2.9	8.2	.1	10	170	274	16	280	167	-	460	14000
6	13	60	10.6	7.0	8.2	1.5	22	2.6	7.8	.0	10	167	258	14	260	160	-	451	16000
6	20	60	22.0	7.0	8.1	3.4	28	3.7	7.5	.1	10	195	240	20	650	122	-	411	48000
6	27	60	22.0	7.5	8.3	3.7	25	3.1	7.4	.1	11	165	240	20	230	165	-	468	14000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT OMAHA, NEBRASKA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (cobalt units)	TURBIDITY (silica units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13000
7	5	60	23.1	7.2	8.2	1.3	27	2.7	6.2	.1	11	162	250	24	190	169	-	426	-
7	11	60	24.4	6.5	8.2	1.4	26	2.5	10.0	.0	11	145	230	20	170	164	-	384	23000
7	18	60	24.5	6.5	8.1	2.0	23	3.0	8.3	.1	9	146	230	18	400	158	-	415	37000
7	25	60	27.8	6.4	8.1	2.8	25	1.2	5.7	.0	9	136	220	18	190	162	-	417	6000
8	1	60	23.3	7.0	8.2	1.8	17	1.8	5.8	.0	10	124	216	14	160	160	-	406	-
8	8	60	24.3	5.8	8.2	1.8	22	1.6	7.2	.1	10	125	200	22	250	155	-	370	39000
8	15	60	24.0	6.7	8.3	.8	24	2.2	8.6	.1	10	137	216	20	190	238	-	346	7500
8	22	60	23.3	.0	8.2	.8	26	2.0	5.1	.0	10	130	210	12	170	175	-	437	2300
8	29	60	22.6	6.0	8.0	2.1	36	5.6	13.1	.0	10	135	200	24	250	157	-	408	12000
9	5	60	25.6	6.4	8.1	.8	10	2.4	8.5	.0	10	134	216	16	190	171	-	420	9600
9	12	60	20.5	7.5	8.2	1.3	24	2.4	6.7	.0	10	137	218	24	160	175	-	420	2100
9	19	60	19.4	6.3	8.0	.8	66	4.2	11.0	.0	10	142	214	24	290	174	-	484	21000
9	26	60	16.3	7.4	8.3	1.0	42	1.3	4.0	.0	10	14[illegible]	220	20	200	178	-	494	19000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE SOUTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDE mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	16.0	9.6	8.3	.9	-	1.9	3.9	.2	22	174	236	30	25	-	-	-	4
10	12	59	11.2	10.1	8.2	.9	-	2.0	4.3	.2	20	168	212	30	30	-	-	-	14
10	19	59	11.9	10.8	8.2	1.2	-	2.0	3.9	.2	20	168	222	30	30	-	-	-	-
10	26	59	10.5	10.2	8.3	1.1	-	1.1	3.3	.2	24	166	236	40	25	-	-	-	-
11	2	59	9.0	10.7	8.2	.8	-	1.6	3.4	.2	14	166	232	40	25	-	-	-	83
11	9	59	6.0	11.4	8.1	1.1	-	1.5	3.2	.2	20	174	224	30	40	-	-	-	32
11	16	59	.4	12.5	8.1	1.0	-	1.0	2.9	.2	22	168	232	30	25	-	-	-	1
11	23	59	1.0	13.2	8.0	1.9	-	1.2	2.4	.2	16	164	216	40	25	-	-	-	2
11	30	59	1.9	13.8	8.4	2.3	-	1.4	2.0	.2	20	164	228	30	25	-	-	-	14
12	7	59	2.9	13.7	8.3	2.6	-	1.1	2.8	.2	20	170	240	30	25	-	-	-	*1
12	14	59	2.6	13.7	8.1	2.8	-	1.6	3.0	.2	18	160	232	30	25	-	-	-	*12
12	21	59	2.4	13.3	8.3	1.9	-	2.0	4.1	.2	16	158	212	20	25	-	-	-	-
12	28	59	2.0	12.9	8.4	2.0	-	2.0	4.5	.1	14	176	100	20	25	-	-	-	140
1	11	60	.8	13.0	8.3	1.7	-	2.1	4.1	.1	16	152	220	30	25	-	-	-	*12
1	18	60	.1	13.1	8.2	1.5	-	2.0	3.9	.1	16	156	204	30	25	-	-	-	1
1	25	60	.2	13.0	8.1	1.3	-	2.4	3.7	.1	20	164	228	30	25	-	-	-	13
2	1	60	.1	13.4	8.1	1.4	-	2.7	3.5	.2	18	168	220	30	25	-	-	-	*13
2	15	60	1.0	14.0	8.2	1.2	-	2.7	3.1	.2	16	162	216	40	25	-	-	-	25
2	22	60	.5	13.5	8.2	1.7	-	2.7	3.6	.1	20	154	224	20	25	-	-	-	1
2	29	60	.2	13.3	8.2	.9	-	1.7	3.8	.2	20	156	212	20	25	-	-	-	1
3	7	60	.2	13.5	8.1	1.0	-	1.6	3.4	.2	18	154	208	20	25	-	-	-	71
3	14	60	.1	12.9	8.4	.8	-	1.8	3.4	.2	18	158	212	20	25	-	-	-	1
3	21	60	.2	12.7	8.1	1.4	-	1.4	2.9	.2	18	170	216	15	25	-	-	-	3
3	28	60	.2	12.7	8.1	1.6	-	1.4	3.0	.2	22	164	208	30	30	-	-	-	*10
4	4	60	.1	11.5	8.0	1.8	-	3.8	5.1	.3	14	126	172	100	80	-	-	-	*10
4	11	60	4.0	9.9	8.0	2.6	-	3.6	4.3	.3	14	92	140	140	80	-	-	-	50
4	18	60	7.5	10.7	7.9	2.7	-	4.4	5.2	.3	12	98	136	120	150	-	-	-	120
4	25	60	11.0	9.9	7.7	2.5	-	4.7	5.6	.3	8	106	162	60	40	-	-	-	30
5	2	60	12.6	10.0	8.3	2.4	-	4.2	5.9	.3	14	148	194	40	30	-	-	-	10
5	9	60	12.0	10.4	8.3	2.8	-	4.6	5.7	.2	16	158	212	40	25	-	-	-	77
5	16	60	15.0	9.4	8.2	3.0	-	4.1	5.0	.2	16	160	236	30	30	-	-	-	22
5	23	60	16.0	9.4	8.3	2.4	-	2.8	5.1	.2	18	160	196	50	40	-	-	-	100
5	31	60	18.4	9.2	8.3	1.4	-	3.0	6.1	.2	16	158	232	40	30	-	-	-	56
6	6	60	19.5	8.9	8.2	1.4	-	2.8	4.5	.1	20	156	208	30	30	-	-	-	27
6	13	60	19.2	8.9	8.4	1.4	-	2.3	4.0	.2	16	160	220	30	30	-	-	-	*30
6	20	60	19.9	9.2	8.2	2.6	-	2.0	5.2	.1	20	150	240	30	30	-	-	-	102
6	27	60	23.5	8.9	8.2	1.8	-	1.8	5.2	.1	20	152	244	40	50	-	-	-	360

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE SOUTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg.	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	4	60	21.9	8.0	8.2	1.2	-	1.6	5.0	.2	22	156	212	50	30	-	-	-	-
7	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	11	60	24.0	7.9	8.2	1.4	-	1.9	5.1	.2	18	148	216	40	30	-	-	-	17
7	18	60	24.0	7.0	8.1	1.6	-	2.2	5.8	.2	22	146	216	60	30	-	-	-	15
7	25	60	25.5	7.5	8.3	2.0	-	3.6	5.8	.1	18	140	208	60	30	-	-	-	45
8	1	60	25.0	7.6	8.2	1.5	-	3.4	6.7	.1	22	152	224	40	30	-	-	-	30
8	8	60	24.8	7.8	8.1	1.0	-	3.8	7.0	.2	20	142	208	80	400	-	-	-	8
8	15	60	22.2	9.0	8.3	.6	-	3.4	5.3	.1	20	136	204	40	35	-	-	-	-
8	22	60	24.2	9.4	8.3	.7	-	3.1	6.5	.2	18	136	204	50	120	-	-	-	3
8	29	60	23.9	9.8	8.0	1.0	-	2.9	5.1	.2	20	148	200	100	10	-	-	-	7
9	6	60	24.0	7.6	8.1	.9	-	3.3	5.8	.2	18	148	204	140	150	-	-	-	14
9	12	60	24.0	8.7	8.2	.8	-	2.8	6.7	.1	18	148	208	40	15	-	-	-	-
9	19	60	22.0	9.1	8.0	.9	-	3.2	6.0	.1	22	148	220	120	160	-	-	-	5
9	26	60	20.8	9.5	8.2	1.4	-	2.2	4.8	.2	20	148	192	70	80	-	-	-	*14
																			*14

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	12.5	-	8.4	-	-	-	-	-	-	146	206	12	34	-	-	-	160
10	7	59	13.2	9.5	-	1.1	9	1.1	3.0	-	6	-	-	-	-	176	-	356	-
10	14	59	9.6	10.6	8.4	.9	9	2.0	4.1	-	3	148	200	3	55	171	-	370	330
10	21	59	8.2	11.0	8.4	1.0	11	1.2	2.8	-	6	152	204	17	65	168	-	301	120
10	28	59	6.2	11.1	8.3	1.0	6	1.1	3.0	-	6	146	202	8	38	168	-	340	18
11	4	59	5.4	11.2	8.4	1.0	9	1.9	3.2	-	7	146	204	17	38	170	-	360	-
11	11	59	2.6	12.1	-	.9	12	1.6	3.3	-	7	-	-	-	-	173	-	374	-
11	18	59	.5	12.4	8.4	.7	7	2.0	3.2	-	7	150	202	18	12	174	-	396	120
11	25	59	.3	12.5	8.2	1.0	9	2.0	3.5	-	7	140	188	18	32	163	-	362	130
12	2	59	.2	13.0	8.3	1.0	9	1.4	2.6	-	8	146	194	4	16	153	-	370	290
12	9	59	.4	12.3	8.2	1.1	6	1.3	1.7	-	7	140	194	12	18	161	-	372	48
12	16	59	.2	12.1	8.2	1.3	6	1.6	3.0	-	7	142	188	2	15	162	-	360	120
12	23	59	.6	13.2	8.4	.7	4	1.4	2.3	-	2	138	186	3	13	155	-	336	55
12	30	59	.5	13.3	-	.8	5	2.1	3.4	-	3	-	-	-	-	155	-	368	-
1	6	60	.4	13.7	8.2	.8	3	.7	2.2	-	8	148	196	1	10	163	-	382	45
1	13	60	1.0	13.0	8.3	1.3	5	.4	2.5	-	6	146	192	1	15	159	-	376	39
1	20	60	.5	13.0	8.3	1.1	4	.1	1.4	-	7	146	196	2	17	150	-	360	4
1	27	60	1.0	12.8	8.3	.7	9	1.4	3.0	-	8	146	200	14	10	173	-	381	140
2	3	60	.7	-	8.2	-	-	-	-	-	-	150	204	25	12	-	-	-	200
2	10	60	2.0	12.6	8.2	.7	7	1.1	3.2	-	2	156	210	16	18	175	-	395	13
2	17	60	.6	12.3	8.2	.6	5	1.4	3.3	-	6	152	214	2	15	171	-	392	27
2	24	60	1.0	12.4	8.3	.7	4	1.1	6.5	-	7	156	210	3	16	167	-	389	*3
3	2	60	1.0	12.9	8.2	.7	10	.7	2.1	-	7	154	222	2	22	174	-	396	-
3	9	60	1.0	12.5	8.2	.7	5	.6	2.1	.5	7	158	226	0	25	179	-	407	38
3	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170
3	16	60	.6	12.7	8.3	.7	6	.7	2.3	-	8	164	220	5	20	181	-	429	-
3	23	60	.1	12.1	8.2	2.2	9	-	1.5	.3	7	158	212	5	62	175	-	405	120
3	30	60	2.2	11.0	8.0	1.3	19	1.4	-	.5	6	108	152	20	210	147	-	268	-
4	6	60	4.2	11.6	8.2	1.2	6	.4	1.1	.3	7	160	208	3	100	182	-	411	90
4	13	60	6.5	11.4	8.3	.9	4	.0	.9	.2	8	172	336	2	45	180	-	429	100
4	20	60	7.2	11.4	8.3	1.1	3	.0	-	.2	8	160	226	2	30	180	-	417	7
4	27	60	4.3	12.1	8.3	.7	6	.0	2.3	.3	7	156	224	5	50	175	-	399	8
5	4	60	4.4	11.9	8.3	1.0	4	2.8	4.8	.4	8	156	224	8	27	192	-	395	12
5	11	60	7.6	11.1	8.4	1.0	5	1.9	7.8	.4	8	158	220	1	25	167	-	411	*10
5	18	60	10.5	10.2	-	1.2	5	1.5	3.5	-	7	-	-	-	-	188	-	429	-
5	25	60	12.6	9.8	8.3	1.2	8	.9	4.7	.2	6	154	222	30	30	173	-	400	600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	1	60	14.8	9.0	8.4	1.1	5	1.5	3.2	.2	6	158	220	18	32	175	-	442	110
6	8	60	15.8	8.6	8.3	1.3	9	.1	1.2	.4	7	156	216	6	49	180	-	451	640
6	15	60	15.2	8.9	8.5	.9	6	.0	1.0	.2	9	158	214	3	18	173	-	457	310
6	22	60	14.4	9.0	8.4	1.5	9	.0	1.0	.2	7	166	214	13	63	170	-	438	180
6	29	60	17.7	8.8	-	1.0	6	.3	1.0	-	7	-	-	-	-	161	-	444	180
7	6	60	20.3	-	8.3	-	-	-	-	.2	-	160	212	8	25	-	-	-	1700
7	13	60	17.8	3.9	8.3	1.0	4	.1	1.3	.2	7	160	218	12	25	162	-	395	90
7	20	60	19.2	8.4	8.2	-	8	.1	1.1	.2	7	160	210	12	23	150	-	417	270
7	26	60	20.1	-	8.3	-	-	-	-	.2	-	156	216	12	34	-	-	-	80
7	27	60	17.8	8.8	-	1.4	6	.0	1.1	-	7	-	-	-	-	148	-	406	-
8	3	60	18.3	8.4	-	1.1	7	.0	1.0	-	8	-	-	-	-	165	-	423	180
8	10	60	16.8	8.8	8.3	1.3	7	.0	.9	.1	7	162	218	12	30	155	-	406	52
8	17	60	18.5	8.2	8.3	.9	7	.0	.8	.1	7	156	212	15	47	153	-	389	210
8	24	60	18.6	8.4	8.3	1.3	6	.0	-	.1	7	158	212	14	56	150	-	389	270
8	30	60	-	-	8.3	-	-	-	-	.2	-	156	210	12	28	-	-	-	40
8	31	60	17.8	8.6	-	-	0	.0	.0	-	8	-	-	-	-	145	-	385	-
9	7	60	16.2	8.8	8.2	.0	4	.0	.8	.1	8	158	212	15	12	148	-	395	24
9	14	60	16.4	8.8	8.3	.8	7	.0	.9	.1	9	154	214	5	27	156	-	395	-
9	21	60	15.9	8.9	8.2	1.2	4	.0	.7	.1	9	152	210	5	40	154	-	397	54
9	27	60	14.3	-	8.4	-	-	-	-	.1	-	154	210	4	8	-	-	-	-
9	28	60	14.3	9.2	-	.0	-	.0	.8	-	9	-	-	-	-	153	-	389	44

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	59	6.0	11.4	8.2	1.2	-	1.3	4.2	.0	9	168	250	0	138	-	-	-	-
11	4	59	3.2	-	8.0	-	-	-	-	.1	11	164	240	5	110	-	-	-	-
12	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1800
1	13	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
1	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
1	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220
2	4	60	1.1	-	-	-	-	-	-	-	-	160	240	-	152	-	-	-	-
2	9	60	1.4	-	-	-	-	-	-	-	-	172	210	-	105	-	-	-	-
2	16	60	1.6	-	-	-	-	-	-	-	-	142	230	-	139	-	-	-	-
2	23	60	1.7	-	-	-	-	-	-	-	-	126	168	-	125	-	-	-	-
2	30	60	1.7	-	-	-	-	-	-	-	-	134	174	-	238	-	-	-	-
3	6	60	-	-	-	-	-	-	-	-	-	130	204	-	-	-	-	-	-
3	13	60	-	-	-	-	-	-	-	-	-	102	132	10	315	-	-	-	-
3	20	60	-	-	-	-	-	-	-	-	-	130	160	-	1500	-	-	-	-
3	27	60	-	-	-	-	-	-	-	-	-	110	140	-	450	-	-	-	-
4	4	60	-	-	-	-	-	-	-	-	-	132	164	-	225	-	-	-	-
4	11	60	-	-	-	-	-	-	-	-	-	148	184	-	400	-	-	-	-
4	19	60	-	-	-	-	-	-	-	-	-	166	196	-	240	-	-	-	-
4	25	60	-	-	-	-	-	-	-	-	-	160	192	-	125	-	-	-	-
5	1	60	25.0	-	-	-	-	-	-	-	-	166	208	-	150	-	-	-	-
5	8	60	-	-	-	-	-	-	-	-	-	158	208	-	100	-	-	-	-
5	15	60	21.0	-	-	-	-	-	-	-	-	160	206	-	90	-	-	-	-
5	22	60	21.0	-	9.4	-	-	-	-	-	-	188	240	-	175	-	-	-	-
5	29	60	19.0	-	8.2	-	-	-	-	-	-	182	232	-	143	-	-	-	-
6	5	60	20.0	-	8.2	-	-	-	-	-	-	180	226	-	118	-	-	-	-
6	12	60	17.0	-	8.3	-	-	-	-	-	-	166	240	-	105	-	-	-	-
6	19	60	1.6	-	8.3	-	-	-	-	-	-	166	226	-	90	-	-	-	-
6	26	60	-	-	8.3	-	-	-	-	-	-	170	256	-	55	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	25.0	7.0	8.0	1.0	-	.9	3.2	.1	19	75	122	5	26	-	-	-	*20
10	12	59	23.5	7.0	8.0	1.6	-	1.0	2.2	.1	19	76	120	0	20	-	-	-	-
10	19	59	24.0	7.3	7.7	1.1	-	1.0	2.8	.1	19	66	120	2	42	-	-	-	-
10	26	59	17.4	8.1	7.5	.7	-	.7	2.2	.1	21	64	110	2	38	-	-	-	60
11	3	59	15.8	9.0	7.5	.8	-	.6	2.2	.1	26	72	152	2	43	-	-	-	*1000
11	9	59	13.0	9.9	7.8	1.6	-	.8	2.6	.1	35	70	200	10	45	-	-	-	-
11	16	59	11.0	10.6	7.8	1.8	-	.7	2.2	.1	28	70	178	2	25	-	-	-	-
11	23	59	9.2	11.4	8.1	1.6	-	.6	2.2	.0	26	80	160	-	49	-	-	-	820
11	30	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*1000
12	1	59	6.6	11.0	8.2	2.1	-	.7	2.0	.1	28	70	170	-	165	-	-	-	-
12	8	59	6.3	10.5	8.2	3.0	-	.8	2.0	.1	22	67	138	-	350	-	-	-	1000
12	14	59	6.3	10.8	8.1	2.0	-	.7	1.8	.4	17	60	130	-	240	-	-	-	40
12	21	59	6.8	11.0	8.0	2.8	-	.7	2.2	.1	14	70	140	-	450	-	-	-	-
12	28	59	7.0	11.8	7.3	3.0	-	.6	2.0	.1	14	62	124	-	230	-	-	-	1800
1	5	60	7.0	12.2	7.6	2.8	-	.7	2.2	.2	14	75	130	-	250	-	-	-	*20
1	11	60	5.2	12.5	7.8	3.8	-	.6	2.5	.1	14	74	144	-	150	-	-	-	3000
1	18	60	6.8	11.9	7.8	3.6	-	.8	2.8	.1	18	75	160	-	240	-	-	-	-
1	25	60	5.0	12.7	7.8	3.6	-	.6	2.6	.4	9	72	168	-	320	-	-	-	-
2	1	60	4.2	12.6	7.8	2.2	-	.8	2.8	.3	12	70	140	-	200	-	-	-	4000
2	8	60	5.0	12.0	8.0	2.6	-	.7	2.6	.1	14	78	200	-	120	-	-	-	20
2	15	60	4.8	12.3	8.1	2.6	-	.7	2.8	.3	5	80	150	-	330	-	-	-	910
2	23	60	3.2	13.3	8.0	2.5	-	.8	2.8	.3	13	76	136	-	250	-	-	-	-
2	24	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
2	29	60	3.4	13.0	7.8	3.0	-	.8	2.8	.4	12	78	150	-	175	-	-	-	-
3	8	60	2.8	14.1	7.7	3.2	-	.6	2.2	.2	12	68	164	-	175	-	-	-	-
3	14	60	3.0	13.6	8.0	3.0	-	.5	2.4	.2	11	80	146	-	160	-	-	-	-
3	21	60	4.0	12.8	8.1	3.1	-	.7	2.8	.0	4	80	180	-	155	-	-	-	3000
3	29	60	7.5	13.0	7.6	2.8	-	.8	3.0	.0	11	68	120	-	150	-	-	-	360
4	5	60	10.2	11.2	7.8	2.6	-	.5	2.2	.2	10	78	140	-	150	-	-	-	*1000
4	11	60	10.5	10.3	7.5	2.2	-	.5	2.2	.0	10	51	120	-	100	-	-	-	-
4	19	60	13.6	11.6	7.8	2.6	-	.5	2.6	.0	9	51	112	-	60	-	-	-	560
4	25	60	18.0	9.5	7.8	1.8	-	.7	3.6	.0	7	68	124	-	50	-	-	-	420
5	2	60	18.0	8.9	8.0	1.1	-	.7	3.0	.0	10	80	150	-	38	-	-	-	140
5	10	60	18.0	9.2	8.1	1.2	-	.7	2.8	.0	14	80	140	-	35	-	-	-	60
5	16	60	17.9	8.6	8.2	1.4	-	.8	2.8	.0	17	76	130	-	43	-	-	-	260
5	24	60	20.2	7.4	7.5	1.1	-	.8	3.0	.0	15	68	130	-	57	-	-	-	-
5	31	60	22.8	7.8	7.7	.9	-	.8	3.0	.0	14	70	136	-	50	-	-	-	60

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale u ..)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	6	60	25.0	7.0	7.5	1.0	-	.8	3.2	.0	13	68	140	-	90	-	-	-	3000
6	14	60	25.4	7.1	3.2	.9	-	1.0	3.2	.0	18	86	156	-	90	-	-	-	*1000
6	20	60	25.2	6.8	7.9	1.2	-	.9	3.2	.1	18	72	136	-	100	-	-	-	-
6	27	60	26.0	6.3	7.8	.8	-	1.0	3.4	.0	20	80	150	-	210	-	-	-	3000
7	5	60	26.0	5.6	7.6	.8	-	1.1	3.7	.1	19	80	132	-	400	-	-	-	-
7	11	60	26.1	5.6	7.5	.8	-	.8	3.8	.0	15	90	136	-	225	-	-	-	-
7	25	60	28.5	6.8	8.0	1.0	-	.7	3.6	.0	12	87	124	-	90	-	-	-	440
8	1	60	28.0	7.2	7.9	.8	-	.8	4.0	.0	13	78	110	-	60	-	-	-	-
8	8	60	30.0	8.3	8.1	.9	-	.8	3.4	.1	17	76	112	-	120	-	-	-	-
8	15	60	27.4	8.3	7.8	1.6	-	.3	2.8	.0	16	70	106	0	65	-	-	-	-
8	22	60	28.2	7.8	7.6	2.0	-	.6	-	.0	18	67	98	-	50	-	-	-	240
8	29	60	29.0	7.2	7.4	1.3	-	.7	2.6	.0	18	58	110	-	37	-	-	-	*1000
9	6	60	30.0	6.7	7.8	.9	-	.7	2.6	.0	19	56	80	-	27	-	-	-	-
9	12	60	27.5	7.3	7.8	1.6	-	.7	3.0	.0	18	58	84	-	20	-	-	-	-
9	19	60	26.4	6.9	8.2	1.5	-	.6	3.2	.0	19	60	108	-	58	-	-	-	-
9	26	60	26.0	5.9	8.0	4.8	-	.5	3.2	.0	13	58	92	-	32	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE INDIANA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIBS.

STATION LOCATION OHIO RIVER AT EVANSVILLE, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	24.6	-	8.2	-	-	-	-	-	55	98	186	-	8	125	-	-	-
10	13	59	21.6	-	7.8	-	-	-	-	-	58	81	207	-	2	120	-	-	-
10	20	59	18.8	-	7.6	-	-	-	-	-	68	79	214	-	2	120	-	-	-
10	26	59	16.0	-	7.6	-	-	-	-	-	72	77	232	-	2	120	-	-	-
11	2	59	15.9	-	7.6	-	-	-	-	-	87	67	224	-	2	175	-	-	-
11	9	59	13.2	-	7.4	-	-	-	-	-	45	60	198	-	2	170	-	-	-
11	16	59	11.0	-	7.4	-	-	-	-	-	39	74	186	-	56	160	-	-	-
11	23	59	10.3	-	7.4	-	-	-	-	-	48	54	178	-	17	150	-	-	-
12	1	59	7.6	-	7.4	-	-	-	-	-	34	70	140	-	12	165	-	-	-
12	14	59	12.8	-	7.2	-	-	-	-	-	22	45	114	-	180	165	-	-	-
12	22	59	13.2	-	7.2	-	-	-	-	-	19	54	106	-	94	115	-	-	-
12	28	59	12.7	-	7.2	-	-	-	-	-	17	51	110	-	275	110	-	-	-
1	4	60	11.2	-	7.4	-	-	-	-	-	18	63	132	-	120	110	-	-	-
1	11	60	11.3	-	7.3	-	-	-	-	.85	20	52	128	-	70	120	-	-	-
1	18	60	11.8	-	7.3	-	-	-	-	-	17	52	118	-	89	105	-	-	14000
1	25	60	10.6	-	7.3	-	-	-	-	-	16	56	116	-	180	95	-	-	-
1	27	60	-	-	-	-	-	-	-	-	-	-	-	-	156	70	-	-	-
2	1	60	9.9	-	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8	60	10.3	-	7.4	-	-	-	-	-	17	55	124	-	80	75	-	-	10000
2	9	60	-	-	-	-	-	-	-	-	19	58	128	-	79	85	-	-	8900
2	15	60	10.8	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	23	60	11.5	-	7.3	-	-	-	-	-	16	88	134	-	460	75	-	-	8000
2	29	60	10.1	-	7.4	-	-	-	-	-	17	52	115	-	110	115	-	-	22000
3	7	60	10.7	-	7.5	-	-	-	-	-	15	65	118	-	120	160	-	-	-
3	14	60	10.5	-	7.2	-	-	-	-	-	19	57	116	-	135	60	-	-	13000
3	21	60	13.0	-	7.3	-	-	-	-	-	20	70	142	-	220	165	-	-	-
3	28	60	16.0	-	7.4	-	-	-	-	-	21	74	150	-	54	95	-	-	-
4	4	60	15.2	-	7.4	-	-	-	-	-	17	66	140	-	48	95	-	-	-
4	11	60	16.4	-	7.2	-	-	-	-	-	20	62	120	-	76	160	-	-	-
4	18	60	16.4	-	7.2	-	-	-	-	-	13	34	66	-	92	45	-	-	-
4	25	60	19.8	-	7.4	-	-	-	-	-	13	34	66	-	92	45	-	-	-
5	2	60	19.9	-	7.4	-	-	-	-	-	17	66	116	-	46	90	-	-	-
5	9	60	20.8	-	7.6	-	-	-	-	-	19	65	131	-	26	90	-	-	-
5	16	60	20.1	-	7.4	-	-	-	-	-	22	79	146	-	24	100	-	-	-
5	23	60	17.2	-	7.3	-	-	-	-	-	26	69	134	-	72	115	-	-	-
5	31	60	22.5	-	7.2	-	-	-	-	-	23	50	112	-	89	95	-	-	5200
6	6	60	23.7	-	7.4	-	-	-	-	-	22	52	114	-	80	100	-	-	13000
6	13	60	26.5	-	8.5	-	-	-	-	-	22	76	138	-	80	110	-	-	7800
6	20	60	25.5	-	7.4	-	-	-	-	-	19	87	154	-	20	110	-	-	11000
6	27	60	24.2	-	7.4	-	-	-	-	-	19	71	138	-	133	100	-	-	900
											22	96	106	-	815	110	-	-	8800
																			29000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE INDIANA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EVANSVILLE, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (Pt-Co units)	TURBIDITY (Jackson units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	24.7	5.8	7.4	-	20	-	-	.0	14	83	122	-	230	140	1.1	-	7000
7	11	60	24.7	6.4	7.4	-	9	-	-	.1	16	94	130	-	158	75	1.1	-	7500
7	19	60	26.2	7.2	7.4	-	5	-	-	-	18	85	122	-	128	75	.9	-	-
7	25	60	28.6	-	7.5	-	-	-	-	-	17	92	124	-	66	80	.4	-	1800
8	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
8	2	60	28.7	-	8.4	-	11	-	-	-	25	92	126	-	24	75	.1	-	-
8	8	60	28.9	8.7	8.0	-	9	-	-	-	25	86	128	-	24	95	.2	-	800
8	15	60	27.4	9.1	7.7	-	11	-	-	-	34	85	160	-	12	110	.2	-	-
8	22	60	27.5	-	8.4	-	13	-	-	-	39	82	166	-	10	110	.1	-	200
8	29	60	28.3	-	8.4	-	9	-	-	-	35	87	156	-	8	125	.1	-	-
9	6	60	29.2	-	8.3	-	-	-	-	-	44	78	161	-	12	125	-	-	-
9	12	60	26.4	-	8.4	-	-	-	-	-	45	78	170	-	15	185	.1	-	-
9	19	60	25.3	-	7.6	-	-	-	-	-	34	81	140	-	13	135	.2	-	5000
9	26	60	25.1	-	7.5	-	12	-	-	-	31	82	130	-	20	160	.2	-	1100

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (cobalt units)	TURBIDITY (silica units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	59	24.0	6.7	7.1	1.8	5	2.5	6.6	.0	99	50	232	10	40	157	-	498	790
10	14	59	19.7	7.9	7.2	1.7	4	2.9	6.8	.1	81	38	199	20	35	144	-	467	900
10	21	59	17.9	10.1	7.9	2.2	8	1.9	6.0	.0	83	42	235	10	10	188	-	488	75
10	28	59	15.0	6.9	7.2	4.0	7	6.5	12.3	.7	53	47	187	20	120	141	-	368	5100
11	4	59	14.1	7.7	7.2	2.8	8	5.2	10.5	.3	45	62	147	20	95	106	-	229	3000
11	12	59	11.1	8.9	7.0	2.1	9	4.6	8.7	.2	37	26	137	20	55	108	-	286	3800
11	18	59	8.6	10.6	7.4	2.5	12	5.4	8.8	.3	40	38	132	10	30	85	-	253	5000
11	27	59	7.6	9.7	7.3	4.2	16	6.9	13.0	.4	38	40	125	30	190	86	-	230	500
12	2	59	6.2	9.6	7.3	4.3	134	5.6	13.9	.3	22	29	100	20	380	68	-	187	13000
12	9	59	4.3	11.1	7.4	2.5	56	4.3	8.3	.4	19	24	100	10	140	72	-	167	12000
12	16	59	5.4	9.7	7.5	3.6	45	5.7	13.4	.3	23	33	108	20	190	64	-	186	26000
12	23	59	4.8	11.2	7.5	2.1	31	3.6	9.1	.2	14	24	87	20	170	57	-	150	-
12	30	59	5.7	10.6	7.3	2.2	18	4.4	8.0	.2	18	34	103	10	60	68	-	166	6400
1	6	60	4.6	11.0	7.3	2.2	43	4.6	8.8	.2	22	31	108	10	90	72	-	187	23000
1	13	60	5.3	11.6	7.3	.9	27	3.9	8.8	.1	16	25	98	10	100	66	-	165	14000
1	20	60	6.0	10.1	7.2	2.4	18	5.0	11.2	.2	16	33	97	30	210	60	-	154	14000
1	27	60	2.9	11.9	7.3	2.1	13	3.4	7.3	.2	16	26	101	5	110	63	-	177	6700
2	3	60	3.9	11.4	7.2	2.0	18	4.5	8.0	.3	24	35	117	5	75	77	-	190	4300
2	10	60	5.4	10.6	7.3	3.9	55	4.0	9.7	.3	20	34	117	20	230	68	-	195	13000
2	17	60	3.8	11.3	7.3	2.4	21	2.9	7.6	.3	17	31	106	10	150	67	-	174	23000
2	24	60	2.1	12.2	7.0	1.8	24	3.0	6.7	.2	17	31	89	20	110	56	-	155	11000
3	2	60	3.3	11.7	7.5	2.1	37	2.7	6.7	.2	17	29	82	20	150	55	-	158	230
3	9	60	1.8	12.1	7.4	.1	31	4.8	7.7	.3	27	39	119	5	60	74	-	207	1000
3	16	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1600
3	17	60	3.1	11.3	7.4	2.8	13	5.0	8.5	.5	26	49	134	5	25	85	-	222	-
3	23	60	3.8	11.7	7.3	1.7	42	3.8	6.9	.4	21	34	104	5	100	70	-	167	4000
3	30	60	7.5	10.8	7.3	2.2	31	4.6	8.0	.2	23	39	118	5	50	91	-	214	6400
4	6	60	7.8	9.6	7.0	2.2	21	2.8	6.5	.2	12	15	63	20	160	23	-	125	9300
4	13	60	9.2	10.1	7.0	2.8	29	2.5	6.9	.2	13	24	79	5	100	81	-	139	2000
4	20	60	13.2	8.7	7.1	1.6	50	2.8	6.9	.2	18	34	100	5	110	67	-	170	1800
4	27	60	17.9	8.3	7.2	1.9	7	3.0	6.7	.3	24	41	119	5	40	78	-	188	290
5	4	60	19.2	8.3	7.2	2.0	18	2.7	6.0	.2	26	44	123	5	45	81	-	200	84
5	11	60	16.0	6.7	7.1	2.4	27	3.0	7.9	.2	28	43	122	5	75	83	-	212	26000
5	18	60	14.4	8.4	7.0	1.9	18	2.5	6.3	.1	23	25	100	5	95	85	-	203	2500
5	25	60	19.0	7.2	7.1	1.5	13	2.6	5.7	.1	21	26	98	5	65	71	-	189	590
6	1	60	21.1	6.2	7.2	1.7	13	2.5	7.0	.1	25	40	121	5	110	80	-	217	880
6	8	60	22.8	8.0	7.4	1.8	7	1.7	5.6	.1	27	43	122	5	30	78	-	220	310
6	15	60	24.3	6.3	7.5	2.2	25	5.7	9.0	.1	26	48	126	5	180	88	-	212	2700
6	22	60	24.8	4.9	7.4	1.5	7	1.6	4.4	.1	39	40	155	5	60	109	-	272	620
6	29	60	24.4	7.6	7.5	1.3	3	3.1	6.6	.1	29	35	121	5	55	79	-	241	5300

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	60	23.7	4.5	7.2	2.2	33	1.9	11.0	.1	29	39	94	40	450	28	-	178	-
7	13	60	26.7	7.4	7.2	2.0	13	3.3	6.8	.2	31	44	114	5	40	54	-	208	-
7	20	60	26.9	7.8	7.6	1.8	10	2.4	6.4	.0	28	45	109	10	40	64	-	199	410
7	27	60	28.6	7.6	8.0	1.7	9	3.7	7.8	.2	38	50	147	5	10	100	-	267	-
8	3	60	29.0	7.3	7.9	1.4	12	3.5	6.9	.2	48	53	150	5	5	93	-	289	22
8	10	60	28.8	6.5	7.3	1.1	8	2.7	7.8	.0	41	45	160	5	140	119	-	321	300
8	17	60	27.4	7.0	7.2	1.9	16	4.0	7.6	.2	50	42	166	5	15	120	.0	354	100
8	24	60	27.5	8.5	8.5	2.2	20	2.6	6.8	.1	32	42	134	5	10	90	.1	275	1300
8	31	60	28.7	8.3	8.5	2.1	10	3.0	7.9	.0	35	42	153	5	7	119	.1	332	-
9	7	60	28.7	8.5	8.7	2.3	11	2.5	7.6	.1	40	46	159	5	3	123	-	356	190
9	14	60	24.6	8.3	7.9	2.9	27	3.5	9.8	.0	44	41	183	5	25	149	.0	383	170
9	21	60	23.4	6.9	7.3	3.1	5	4.8	9.5	.2	66	42	189	5	20	138	.0	391	260
9	28	60	24.1	8.6	7.8	2.6	8	2.6	5.8	.1	51	33	192	5	5	165	.1	404	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8200
10	7	59	22.2	-	7.7	-	-	-	-	.6	72	48	164	10	16	173	-	420	-
10	12	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
10	14	59	18.2	-	7.5	-	-	-	-	.6	93	33	226	10	14	245	-	580	-
10	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320
10	21	59	17.4	-	7.4	-	-	-	-	1.2	52	47	158	10	12	179	-	380	-
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8100
10	28	59	13.5	-	7.3	-	-	-	-	.2	51	36	184	15	70	192	-	440	-
11	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5000
11	4	59	14.3	-	7.3	-	-	-	-	.8	49	33	178	10	30	206	-	-	-
11	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3200
11	11	59	11.6	-	7.3	-	-	-	-	.6	41	32	132	20	41	134	-	260	-
11	16	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
11	18	59	6.2	-	7.1	-	-	-	-	.7	55	30	126	20	16	110	-	320	-
11	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	570
11	25	59	7.7	-	7.3	-	-	-	-	.8	36	36	128	10	22	92	-	300	-
11	30	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6200
12	2	59	5.0	-	7.1	-	-	-	-	.8	22	27	110	15	230	120	-	240	-
12	7	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3600
12	9	59	3.3	-	7.1	-	-	-	-	.7	21	22	112	10	70	180	-	220	-
12	14	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
12	16	59	6.3	-	7.3	-	-	-	-	.7	19	23	118	15	370	91	-	200	-
12	21	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7500
12	23	59	5.6	-	7.1	-	-	-	-	1.2	12	22	98	30	190	89	-	160	-
12	28	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
12	30	59	5.9	-	7.3	-	-	-	-	.8	22	28	108	15	52	96	-	200	-
1	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6700
1	6	60	4.8	-	7.1	-	-	-	-	.3	16	27	76	10	220	134	-	180	-
1	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4100
1	13	60	7.8	-	7.0	-	-	-	-	.4	15	24	104	5	105	101	-	180	-
1	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
1	20	60	5.2	-	7.1	-	-	-	-	.2	13	23	88	25	115	106	-	-	-
1	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380
1	27	60	4.9	-	6.9	-	-	-	-	.6	17	21	82	15	62	122	-	200	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2200
2	3	60	3.3	-	7.0	-	-	-	-	.4	21	30	112	10	40	113	-	200	-
2	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4900
2	10	60	7.4	-	7.2	-	-	-	-	.4	16	30	76	30	130	55	-	180	-
2	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18000
2	17	60	4.6	-	7.0	-	-	-	-	.2	13	26	78	20	125	60	-	160	-
2	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
2	24	60	4.5	-	7.1	-	-	-	-	.4	16	25	84	30	65	60	-	180	-
2	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
3	2	60	3.4	-	7.1	-	-	-	-	.3	18	29	98	15	62	101	-	180	-
3	7	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220
3	9	60	4.0	-	7.1	-	-	-	-	.4	25	31	118	20	20	154	-	240	-
3	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
3	16	60	4.3	-	7.1	-	-	-	-	.8	29	40	120	5	24	149	-	240	-
3	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	630
3	23	60	4.4	-	7.3	-	-	-	-	.4	23	41	132	15	58	134	-	200	-
3	28	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590
3	30	60	9.0	-	7.0	-	-	-	-	.4	17	42	136	15	230	96	-	160	-
4	4	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3800
4	6	60	8.8	-	6.9	-	-	-	-	.3	9	18	60	20	150	56	-	200	-
4	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
4	13	60	10.3	-	6.9	-	-	-	-	.5	10	29	49	15	130	58	-	160	-
4	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
4	20	60	14.0	-	7.1	-	-	-	-	.2	8	36	120	10	38	74	-	220	-
4	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220
4	27	60	17.0	-	7.4	-	-	-	-	.7	22	35	120	5	24	84	-	220	-
5	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
5	4	60	17.6	-	7.6	-	-	-	-	.6	24	37	116	10	24	127	-	240	-
5	9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800
5	11	60	14.3	-	7.1	-	-	-	-	.6	27	29	99	10	145	172	-	200	-
5	16	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
5	18	60	15.8	-	7.2	-	-	-	-	.6	12	19	94	5	140	96	-	200	-
5	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1900
5	25	60	19.8	-	7.1	-	-	-	-	.6	16	20	104	10	27	130	-	240	-
5	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (Pt-Co units)	TURBIDITY (Jackson units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	1	60	20.3	-	7.4	-	-	-	-	.8	21	24	120	10	27	106	-	260	-
6	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
6	8	60	20.4	-	7.3	-	-	-	-	.6	14	24	98	5	12	94	-	180	-
6	13	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3600
6	15	60	23.2	-	7.3	-	-	-	-	.6	13	32	124	10	32	91	-	220	-
6	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800
6	22	60	22.7	-	7.3	-	-	-	-	.4	11	27	126	10	14	120	-	-	-
6	27	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	550
6	29	60	24.1	-	7.3	-	-	-	-	1.3	29	32	112	10	11	76	-	180	-
7	6	60	24.5	-	7.3	-	-	-	-	1.0	32	26	102	5	22	82	-	290	100
7	13	60	24.6	-	7.4	-	-	-	-	.5	25	35	91	10	27	72	-	260	-
7	10	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
7	20	60	26.2	-	7.6	-	-	-	-	.9	20	33	146	5	22	108	-	220	-
7	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300
7	27	60	27.0	-	7.7	-	-	-	-	.7	43	41	160	10	11	130	-	400	-
8	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
8	3	60	26.0	-	7.5	-	-	-	-	.9	34	40	144	10	12	110	-	370	-
8	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	470
8	10	60	26.9	-	7.3	-	-	-	-	1.2	51	32	180	10	27	187	-	480	-
8	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82
8	17	60	26.5	-	7.3	-	-	-	-	.4	25	35	120	15	33	120	-	324	-
8	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	560
8	24	60	26.3	-	7.1	-	-	-	-	.7	33	31	138	10	25	130	-	330	-
8	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
8	31	60	27.2	-	7.2	-	-	-	-	.4	40	32	170	10	14	144	-	360	-
9	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600
9	7	60	26.9	-	7.3	-	-	-	-	.8	39	30	160	10	10	149	-	350	-
9	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
9	14	60	22.5	-	7.3	-	-	-	-	1.1	58	27	186	15	38	158	-	420	-
9	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
9	21	60	21.5	-	7.1	-	-	-	-	.8	42	27	178	10	13	197	-	400	-
9	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160
9	28	60	21.7	-	7.1	-	-	-	-	.6	38	30	174	5	11	161	-	400	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EAST LIVERPOOL, OHIO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORM: per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
12	7	59	10.0	-	7.0	-	-	1.0	1.0	-	5	31	120	-	37	-	-	-	10

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	21.0	6.8	7.9	2.0	13	4.0	8.9	.1	18	107	140	15	30	50	-	207	-
10	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240
10	12	59	24.0	6.8	7.8	1.6	14	2.8	4.7	.1	16	77	114	20	17	42	-	176	400
10	19	59	9.0	7.6	8.0	.4	10	2.0	4.8	.0	9	78	118	15	16	45	-	174	600
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
11	2	59	1.1	8.4	7.9	.6	11	2.0	3.7	.1	6	59	92	15	30	28	-	143	640
11	9	59	7.5	10.0	7.8	1.6	6	1.6	3.9	.1	15	64	102	8	12	24	-	140	360
11	16	59	.8	9.8	8.1	2.2	6	1.4	2.9	.0	10	67	106	12	10	26	-	153	200
11	23	59	.4	11.0	8.3	1.2	6	1.7	3.2	.0	13	74	96	10	6	24	-	145	80
11	30	59	6.0	9.8	8.0	3.8	12	2.4	5.8	.1	12	73	100	10	30	34	-	151	1900
12	7	59	6.5	11.2	7.9	2.5	10	2.8	4.9	.1	9	55	84	10	16	32	-	120	-
12	14	59	6.5	10.0	7.8	2.6	14	3.4	6.9	.1	11	51	86	12	70	29	-	130	-
12	21	59	2.5	13.6	8.0	6.6	7	2.4	5.2	.1	9	48	80	10	23	28	-	115	-
12	28	59	2.2	11.4	8.0	2.0	7	2.7	5.4	.1	6	50	80	10	10	29	-	124	-
1	4	60	1.6	11.6	7.8	4.0	14	3.7	7.5	.1	9	36	72	15	130	29	-	136	3600
1	11	60	1.1	10.4	7.8	1.4	7	2.0	5.1	.1	8	37	68	8	20	28	-	130	-
1	18	60	1.5	11.2	7.8	4.0	26	3.7	5.5	.1	8	41	80	10	180	35	-	120	1000
1	25	60	.0	12.0	7.7	3.8	9	1.6	4.1	.1	7	42	76	5	16	30	-	111	330
2	1	60	4.5	12.2	7.9	3.2	5	1.7	4.0	.1	8	40	80	5	10	30	-	117	440
2	8	60	4.4	10.2	7.7	3.2	20	3.0	6.9	.1	9	45	64	30	170	28	-	112	760
2	15	60	2.2	11.2	7.9	1.8	11	3.0	6.1	.1	8	41	74	10	35	30	-	108	4400
2	22	60	4.0	11.2	7.9	2.2	-	-	-	-	7	34	64	20	140	29	-	92	450
2	29	60	1.6	11.6	7.7	2.6	6	2.0	6.5	.1	9	39	76	10	30	31	-	114	8800
3	7	60	1.5	13.0	8.0	2.8	2	1.9	4.8	.1	16	50	90	5	15	27	-	118	140
3	14	60	2.5	11.8	8.1	1.4	5	.8	3.9	.1	9	39	94	5	9	29	-	122	-
3	21	60	6.0	11.6	7.9	2.6	14	2.5	5.8	.2	11	36	70	10	18	26	-	106	2000
3	28	60	8.0	10.8	7.8	2.8	10	1.2	6.2	.2	10	50	78	15	35	28	-	117	2600
4	4	60	10.5	8.9	9.6	1.4	24	1.0	7.0	.1	6	25	52	30	170	24	-	81	640
4	11	60	10.0	10.4	7.8	1.8	10	2.1	3.2	.1	5	38	68	10	40	25	-	88	5800
4	19	60	18.0	8.6	8.0	.4	7	1.9	3.7	.1	9	50	82	10	17	28	-	135	-
4	25	60	24.0	9.0	8.8	.8	9	1.1	2.7	.1	8	64	92	7	12	28	-	130	400
5	2	60	15.5	8.8	8.8	3.2	9	2.2	5.5	.1	12	45	104	8	18	29	-	132	1400
5	9	60	20.0	8.0	8.0	3.7	30	2.0	4.6	.1	10	58	84	30	90	25	-	130	15000
5	16	60	16.0	9.0	7.9	.8	10	1.6	4.0	.1	8	42	70	10	28	28	-	118	2100
5	23	60	22.2	7.4	7.8	1.6	18	3.3	7.1	.1	8	38	76	25	240	27	-	132	1200
5	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
5	31	60	21.5	8.2	7.8	1.2	18	2.0	4.8	.1	11	48	68	20	120	27	-	123	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS (per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
[illegible]	6	60	25.0	7.0	7.8	.6	12	1.3	3.2	.1	20	[illegible]	[illegible]	0	35	[illegible]	–	122	[illegible]
6	13	60	25.8	7.9	8.2	1.6	7	1.6	3.5	.1	10	64	88	0	25	25	–	114	1700
6	20	60	26.0	7.0	7.6	2.6	25	4.7	6.8	.1	6	30	64	100	360	24	–	152	10000
6	27	60	26.6	7.8	8.5	2.0	14	1.3	4.2	.1	7	70	100	10	23	27	–	142	–
7	5	60	29.5	6.4	8.6	2.5	21	2.0	5.0	.1	10	70	106	10	27	29	–	158	–
7	11	60	27.5	6.4	8.3	.6	7	1.2	5.2	.1	11	81	126	7	28	35	–	172	1300
7	18	60	27.5	6.2	8.1	1.2	14	2.7	5.4	.1	0	68	110	10	53	30	–	180	920
7	25	60	30.6	6.4	8.8	2.4	11	2.2	3.5	.1	0	78	120	0	20	39	–	184	–
8	1	60	26.6	6.2	8.1	2.8	17	3.8	6.2	.1	7	82	124	0	23	37	–	176	–
8	8	60	27.7	6.8	8.6	2.8	19	2.7	7.4	.0	0	75	110	7	24	34	–	145	–
8	15	60	23.5	5.6	8.0	1.3	10	2.3	6.7	.1	0	79	114	10	45	36	–	175	–
8	22	60	25.0	5.8	8.8	1.6	13	3.1	6.3	.1	11	94	138	7	31	46	–	188	840
8	29	60	29.0	6.4	8.5	2.6	16	.6	6.0	.1	8	83	114	6	18	38	–	166	920
9	6	60	26.6	6.0	8.4	1.8	14	2.5	4.0	.1	10	80	120	10	18	37	–	152	–
9	12	60	26.6	6.0	8.2	2.2	17	2.0	5.0	.1	9	71	104	11	83	31	–	142	–
9	19	60	21.1	7.0	8.3	1.2	11	2.8	7.8	.1	15	78	126	0	21	44	–	180	920
9	26	60	20.0	7.6	8.4	1.1	9	1.9	6.5	.1	7	85	138	5	20	40	–	198	500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1600
10	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8600
10	29	59	9.0	6.0	7.1	1.0	-	-	-	-	-	40	76	15	30	-	-	238	-
11	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3400
11	5	59	12.0	10.0	7.2	1.6	-	-	-	-	-	46	82	30	15	-	-	186	-
11	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500
11	12	59	9.0	11.0	7.3	2.9	-	-	-	-	-	42	76	10	14	-	-	232	-
11	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	510
12	3	59	3.3	-	7.1	-	-	-	-	-	-	48	62	5	20	-	-	-	-
12	7	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
12	10	59	2.8	-	7.2	-	-	-	-	-	-	38	60	5	18	-	-	-	-
12	14	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
1	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
1	14	60	4.0	12.9	7.2	2.7	-	-	-	-	-	36	96	30	12	-	-	124	-
1	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450
1	21	60	1.0	14.0	7.1	3.6	-	-	-	-	-	30	64	5	15	-	-	-	-
1	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
2	1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
2	4	60	3.3	-	7.2	-	-	-	-	-	-	36	78	20	12	-	-	-	-
2	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590
2	11	60	5.0	-	6.9	-	-	-	-	-	-	28	62	5	25	-	-	-	-
2	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
2	18	60	2.0	13.4	7.3	-	-	-	-	-	-	36	70	5	12	-	-	222	-
2	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430
2	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
3	7	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
3	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
3	21	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*10
3	22	60	3.9	-	7.3	-	-	-	-	-	-	40	72	5	15	-	-	-	-
3	28	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
3	29	60	9.0	-	7.0	-	-	-	-	-	-	28	50	5	80	-	-	200	-
4	4	60	15.0	-	7.2	-	-	-	-	-	-	46	84	10	10	-	-	114	2200
4	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
4	12	60	11.0	11.4	7.1	2.0	-	-	-	-	-	36	62	10	15	-	-	-	-
4	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
4	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
4	26	60	20.0	-	7.4	-	-	-	-	-	-	50	92	10	10	-	-	114	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
5	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2S0
5	3	60	16.0	-	7.5	-	-	-	-	-	-	56	102	15	10	-	-	-	-
5	9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	16	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6200
5	17	60	14.4	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	2100
5	23	60	-	-	-	-	-	-	-	-	-	34	64	30	14	-	-	-	-
5	25	60	19.0	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	1800
6	6	60	-	-	-	-	-	-	-	-	-	32	58	-	75	-	-	-	-
6	13	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4400
6	16	60	21.1	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	420
6	27	60	-	-	-	-	-	-	-	-	-	36	66	-	170	-	-	-	-
6	28	60	22.8	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	240
7	6	60	23.9	-	7.7	-	-	-	-	-	-	56	98	10	10	-	-	-	-
8	1	60	-	-	-	-	-	-	-	-	-	76	132	10	8	-	-	-	-
8	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
8	16	60	25.0	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	780
8	24	60	24.0	7.4	8.6	1.6	-	-	-	-	-	74	136	5	4	-	-	-	-
												78	124	5	4	-	-	278	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN UPPER MISSISSIPPI
SUB BASIN RED RIVER OF THE NORTH
STATION LOCATION RED RIVER AT
GRAND FORKS, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
9	8	60	22.5	6.7	8.6	1.0	22	2.6	-	.0	8	213	260	40	12	0	.0	329	47
9	14	60	17.7	7.2	8.7	2.5	24	5.7	-	.0	10	218	268	35	21	20	.0	362	120
9	21	60	17.4	6.4	8.7	2.3	29	3.9	-	.3	10	220	252	30	27	17	.0	434	60
9	28	60	14.8	5.4	8.7	-	27	4.4	12.5	.2	10	216	244	30	30	10	.0	333	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT ALEXANDRIA, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	19	59	19.0	6.4	7.4	1.3	17	.7	5.4	.1	284	87	309	30	640	189	-	905	10000
11	2	59	23.0	8.1	7.6	1.1	9	2.4	6.0	.0	243	89	261	20	330	153	-	800	5400
11	9	59	13.0	9.4	7.9	-	16	1.7	5.4	.0	174	108	222	20	220	93	-	594	5500
11	16	59	12.0	9.3	7.6	1.3	21	1.7	6.3	.0	61	66	106	30	310	40	-	263	7000
11	23	59	13.0	10.2	7.5	2.1	19	2.5	7.1	.0	149	82	188	20	140	83	-	534	16000
11	30	59	9.0	10.4	7.6	-	12	2.5	6.1	.0	182	105	248	20	90	101	-	670	6800
12	8	59	11.0	10.8	7.6	-	16	3.6	-	.0	165	157	263	30	25	86	-	685	1500
12	14	59	13.0	10.0	7.8	2.4	16	3.4	8.9	.1	150	162	240	30	50	70	-	607	2100
1	4	60	10.0	9.9	7.5	2.7	20	3.7	7.6	.1	112	58	133	30	470	67	-	389	2900
1	18	60	9.0	8.9	7.7	1.6	27	2.7	7.9	.1	51	55	90	50	640	29	-	218	19000
1	25	60	7.0	10.7	7.6	-	27	2.9	7.9	.1	60	51	90	50	590	31	-	226	9000
2	1	60	9.0	10.3	7.6	1.4	22	2.7	7.9	.1	82	53	106	40	370	42	-	295	-
2	2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
2	8	60	10.0	9.5	7.5	1.0	20	2.7	7.8	.1	92	55	121	40	350	52	-	329	17000
2	15	60	7.0	10.3	7.7	1.4	22	2.9	6.8	.1	58	55	101	50	510	34	-	234	12000
2	22	60	11.0	11.0	7.8	1.3	23	2.9	6.8	.1	90	58	128	40	290	53	-	329	25000
2	29	60	8.0	10.4	7.5	1.3	21	2.3	5.8	.1	57	45	87	50	300	29	-	224	7800
3	13	60	9.0	10.8	7.4	1.2	17	1.6	5.7	.1	60	49	100	40	490	31	-	232	-
3	14	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9500
3	21	60	10.0	10.3	7.5	1.0	15	2.7	6.6	.1	71	57	114	40	350	45	-	275	12000
4	4	60	15.0	8.1	7.7	1.1	17	1.7	6.5	.1	83	72	139	30	460	55	-	339	15000
4	11	60	18.0	7.8	7.8	1.1	29	2.7	6.4	.1	45	70	111	30	460	24	-	221	12000
4	18	60	19.0	8.1	8.0	1.2	4	2.2	6.6	.1	96	105	173	20	156	57	-	597	2700
4	25	60	24.0	7.6	8.0	1.4	16	2.0	5.4	.1	142	133	248	20	134	92	-	586	6100
5	2	60	21.0	7.7	8.0	1.3	14	1.3	5.5	.1	102	167	181	20	142	64	-	420	10000
5	9	60	23.0	7.1	7.7	1.5	15	1.0	6.7	.1	99	103	175	30	175	62	-	403	18000
5	16	60	23.0	7.1	7.7	.8	22	.7	6.9	.1	32	60	98	50	570	22	-	175	3200
5	23	60	26.0	6.7	7.8	1.0	18	2.6	7.6	.2	36	78	122	40	260	18	-	196	6900
5	30	60	25.0	5.1	7.9	1.4	43	.9	6.0	.1	8	64	79	80	810	9	-	123	3400
6	6	60	29.0	5.6	7.9	.6	16	2.0	7.0	.1	35	68	94	40	410	24	-	202	5100
6	13	60	28.0	6.5	7.9	.8	15	2.0	5.0	.1	61	83	123	30	510	36	-	270	3400
6	20	60	29.0	7.2	8.0	1.4	10	1.9	5.8	.1	115	120	188	20	95	59	-	436	400
6	27	60	28.0	6.8	8.0	1.1	13	1.9	4.8	.1	150	142	259	20	92	110	-	601	2200
8	8	60	31.0	6.2	7.7	.8	14	1.6	5.7	.1	56	74	114	20	120	35	-	256	5700
8	15	60	29.0	7.2	7.9	1.3	15	2.3	-	.1	112	99	171	20	92	64	-	430	2000
9	12	60	28.0	7.1	7.9	1.6	21	2.1	4.8	.1	168	125	238	20	51	102	-	618	4900
9	19	60	30.0	6.7	8.3	1.9	15	2.0	-	.1	149	153	235	20	43	76	-	544	1900
9	26	60	-	7.4	8.1	3.9	-	.9	5.1	.1	231	162	300	20	60	126	-	781	1800

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT

INDEX, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	24.0	8.4	8.1	1.5	7	2.0	5.4	-	-	46	-	248	-	-	-	-	-
10	13	59	27.0	6.9	7.8	1.5	19	1.0	3.0	-	275	38	300	15	-	120	-	971	6200
10	20	59	24.0	8.8	7.9	1.1	-	1.0	4.0	-	305	46	280	20	-	79	-	1034	2800
10	26	59	25.0	9.7	7.4	3.6	-	.9	4.3	-	310	39	300	28	-	105	-	1066	550
11	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
11	9	59	12.0	10.8	7.7	3.8	-	.6	1.6	-	54	75	114	120	350	-	-	630	4400
11	16	59	9.0	11.8	7.5	2.2	-	.6	3.1	-	158	89	304	40	110	-	-	857	320
11	23	59	11.0	11.6	7.8	3.0	15	.6	1.6	-	160	117	288	40	56	-	-	993	150
11	30	59	7.0	11.2	7.9	6.6	-	.6	1.6	-	120	180	322	30	27	-	-	936	*200
12	7	59	8.0	11.4	8.0	7.4	15	.6	1.6	-	144	165	320	30	25	-	-	884	*20
12	14	59	11.0	9.8	7.8	3.4	51	.6	1.6	-	88	130	218	65	70	-	-	380	320
12	21	59	10.0	10.1	7.4	2.5	-	.6	1.6	-	30	70	94	120	500	-	-	153	2200
12	28	59	11.0	9.4	7.7	1.8	5	.6	3.6	-	150	91	290	35	300	-	-	915	-
1	4	60	7.0	10.4	7.5	1.8	21	.6	1.6	-	120	78	240	45	150	-	-	838	72
1	11	60	9.0	10.2	7.2	2.0	7	.6	1.6	-	80	74	136	60	250	-	-	586	11000
1	18	60	9.0	9.8	7.6	2.2	-	.6	1.6	-	55	67	130	110	320	-	-	251	2500
1	25	60	4.0	11.8	7.8	2.4	12	.6	3.6	-	121	85	250	30	130	-	-	779	880
2	1	60	8.0	10.3	8.0	1.7	31	.6	1.6	-	127	109	240	15	80	-	-	835	120
2	8	60	9.0	10.0	7.5	1.9	25	.6	1.6	-	57	84	152	60	470	-	-	650	40
2	15	60	6.0	11.4	7.8	3.0	-	.6	1.6	-	123	100	266	60	110	-	-	-	300
2	22	60	5.0	11.0	7.8	2.4	-	.6	1.6	-	85	100	190	45	105	-	-	-	9000
2	29	60	5.0	12.0	7.9	2.0	-	.6	1.6	-	80	105	226	60	80	-	-	-	40
3	7	60	4.0	12.0	7.8	2.0	17	.6	1.6	-	83	92	188	50	60	-	-	660	320
3	14	60	7.0	11.4	8.0	2.6	31	.6	1.6	-	112	112	274	35	55	-	-	480	100
3	21	60	10.0	10.6	8.0	8.6	21	.6	1.6	-	77	94	190	70	73	-	-	323	460
3	28	60	14.0	9.6	8.0	1.6	28	.6	1.6	-	95	130	242	45	120	-	-	394	*200
4	4	60	16.0	9.0	7.9	2.0	12	.6	1.6	-	90	105	170	75	122	-	-	286	-
4	11	60	18.0	9.0	8.1	3.0	22	.6	1.6	-	138	165	270	45	58	-	-	844	73
4	18	60	20.0	8.6	7.9	3.2	34	1.1	3.2	-	84	118	214	45	275	-	-	720	*200
4	25	60	23.0	8.6	7.9	2.0	26	2.7	3.6	-	90	168	248	40	55	-	-	738	40
5	2	60	20.0	8.8	8.1	2.4	4	2.7	5.3	-	140	157	286	10	55	-	-	922	20
5	9	60	20.5	6.6	7.9	2.2	-	3.7	5.1	-	45	62	100	40	400	-	-	159	1300
5	16	60	22.0	7.6	7.9	2.0	-	2.6	5.1	-	60	86	134	60	215	-	-	163	400
5	23	60	23.0	5.4	7.6	2.6	15	2.7	4.7	-	24	62	70	60	850	-	-	103	600
5	30	60	25.0	6.4	7.7	1.6	3	4.7	7.7	-	35	72	130	90	400	-	-	195	100
6	6	60	30.0	6.4	8.0	2.4	-	4.7	8.7	-	80	103	130	20	50	-	-	393	22000
6	13	60	29.0	6.8	8.1	2.0	18	3.8	6.5	-	111	74	262	20	0	-	-	437	800
6	20	60	28.0	7.4	8.7	2.4	25	2.7	7.8	-	102	145	224	15	80	-	-	820	100
6	27	60	27.0	7.0	8.0	2.6	32	1.8	4.7	-	125	125	310	20	35	-	-	923	

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT

INDEX, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	31.0	4.8	7.9	.8	31	2.5	6.2	-	112	118	280	40	0	-	-	548	80
7	11	60	32.0	6.4	8.0	2.6	30	4.7	7.6	-	100	130	260	30	0	-	-	802	200
7	18	60	30.0	6.8	8.1	3.0	42	2.0	6.2	-	125	125	334	64	28	-	-	699	-
7	25	60	30.0	6.8	8.2	2.0	43	3.8	6.7	-	145	131	290	20	58	-	-	930	580
8	1	60	31.0	6.4	7.8	1.6	-	2.7	9.1	-	110	70	130	40	290	-	-	341	200
8	8	60	32.0	6.2	8.5	1.4	30	2.7	8.7	-	100	114	260	15	46	-	-	481	600
8	15	60	29.0	6.8	8.1	1.4	25	2.2	8.2	-	200	129	314	20	38	-	-	953	100
8	22	60	28.0	6.8	8.1	1.2	28	2.2	6.5	-	132	155	96	15	40	-	-	635	320
8	29	60	29.0	6.6	7.8	3.0	4	3.4	8.8	-	83	85	144	60	75	-	-	226	310
9	6	60	31.0	6.4	7.8	1.8	4	2.7	7.4	-	168	122	484	25	0	-	-	761	110
9	12	60	27.0	7.2	8.0	2.6	23	2.2	5.8	-	208	142	326	20	63	-	-	716	4000
9	19	60	28.0	7.0	8.0	1.8	28	1.6	7.8	-	185	180	390	25	0	-	-	1040	-
9	26	60	25.0	7.2	7.7	1.4	35	2.7	6.2	-	205	122	352	20	35	-	-	702	240

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT DENISON, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	59	23.8	-	7.8	-	-	-	-	-	-	105	429	-	15	-	-	-	60
10	13	59	22.7	-	8.0	-	-	-	-	-	-	100	450	-	15	-	-	-	170
10	20	59	21.1	-	8.0	-	-	-	-	-	-	96	419	-	15	-	-	-	90
10	26	59	20.6	-	8.0	-	-	-	-	-	-	98	408	-	15	-	-	-	130
11	3	59	19.4	-	8.0	-	-	-	-	-	-	96	408	-	15	-	-	-	300
11	10	59	17.2	-	8.0	-	-	-	-	-	-	96	408	-	15	-	-	-	3
11	23	59	13.3	-	7.8	-	-	-	-	-	-	96	408	-	15	-	-	-	3
12	1	59	12.1	-	7.9	-	-	-	-	-	-	104	376	-	15	-	-	-	22
12	21	59	11.1	-	7.6	-	-	-	-	-	-	100	377	-	15	-	-	-	2
12	29	59	10.6	-	7.6	-	-	-	-	-	-	98	387	-	15	-	-	-	-
1	12	60	8.9	-	7.6	-	-	-	-	-	-	104	356	-	15	-	-	-	27
1	18	60	8.3	-	7.6	-	-	-	-	-	-	106	346	-	10	-	-	-	270
1	25	60	7.8	-	7.4	-	-	-	-	-	-	102	346	-	10	-	-	-	3
2	8	60	8.3	-	7.6	-	-	-	-	-	-	111	366	-	10	-	-	-	-
2	16	60	7.8	-	7.6	-	-	-	-	-	-	104	366	-	10	-	-	-	*300
2	23	60	11.1	-	7.6	-	-	-	-	-	-	112	356	-	10	-	-	-	3
3	1	60	5.6	-	7.6	-	-	-	-	-	-	108	356	-	10	-	-	-	6
3	8	60	6.7	-	7.6	-	-	-	-	-	-	110	387	-	10	-	-	-	*30
3	15	60	6.1	-	7.8	-	-	-	-	-	-	120	356	-	15	-	-	-	*3
3	21	60	6.2	-	7.8	-	-	-	-	-	-	120	377	-	10	-	-	-	3
3	30	60	8.3	-	8.0	-	-	-	-	-	-	116	366	-	10	-	-	-	*30
4	6	60	11.1	-	8.0	-	-	-	-	-	-	120	366	-	10	-	-	-	*33
4	13	60	11.6	-	7.8	-	-	-	-	-	-	126	366	-	10	-	-	-	-
4	19	60	12.8	-	8.0	-	-	-	-	-	-	126	387	-	10	-	-	-	-
4	25	60	13.9	-	8.0	-	-	-	-	-	-	128	340	-	10	-	-	-	*30
5	3	60	16.1	-	8.0	-	-	-	-	-	-	124	350	-	10	-	-	-	*30
5	10	60	16.7	-	8.0	-	-	-	-	-	-	130	360	-	10	-	-	-	66
5	18	60	17.7	-	7.6	-	-	-	-	-	-	126	350	-	10	-	-	-	7
5	25	60	-	-	7.8	-	-	-	-	-	-	132	360	-	15	-	-	-	66
6	7	60	-	-	-	-	-	-	-	-	-	136	350	-	15	-	-	-	*3
6	21	60	26.7	-	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	500
6	29	60	21.1	-	7.4	-	-	-	-	-	-	132	370	-	10	-	-	-	*3
7	19	60	23.4	-	7.4	-	-	-	-	-	-	134	410	-	10	-	-	-	*3
7	25	60	22.8	-	7.4	-	-	-	-	-	-	134	380	-	10	-	-	-	15
8	24	60	22.8	-	7.4	-	-	-	-	-	-	128	420	-	10	-	-	-	33
8	31	60	22.8	-	7.4	-	-	-	-	-	-	136	350	-	5	-	-	-	3
9	15	60	22.8	-	7.4	-	-	-	-	-	-	134	420	-	10	-	-	-	-
9	21	60	25.0	-	7.4	-	-	-	-	-	-	128	450	-	5	-	-	-	-
9	28	60	23.9	-	7.4	-	-	-	-	-	-	118	410	-	5	-	-	-	-
												116	440	-	5	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN LOWER RIO GRANDE BELOW PECOS RIVER

STATION LOCATION RIO GRANDE BELOW BROWNSVILLE, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	19	59	21.0	-	8.1	-	-	-	-	-	230	155	270	-	65	-	-	-	-
10	26	59	30.0	-	8.3	-	-	-	-	-	270	140	220	-	55	-	-	-	-
11	2	59	27.0	-	8.3	-	-	-	-	-	240	130	260	-	80	-	-	-	-
11	13	59	22.0	-	7.9	-	-	-	-	-	420	205	350	-	80	-	-	-	-
11	20	59	17.0	-	8.3	-	-	-	-	-	360	160	300	-	65	-	-	-	-
11	27	59	16.0	-	9.3	-	-	-	-	-	210	255	330	-	100	-	-	-	-
12	4	59	18.0	-	8.3	-	-	-	-	-	490	160	310	-	50	-	-	-	-
12	11	59	21.0	-	8.3	-	-	-	-	-	220	115	240	-	65	-	-	-	-
12	18	59	18.0	-	8.3	-	-	-	-	-	240	120	250	-	65	-	-	-	-
1	15	60	21.0	-	8.3	-	-	-	-	-	150	130	210	-	70	-	-	-	-
1	22	60	13.3	-	9.3	-	-	-	-	-	100	90	180	-	180	-	-	-	-
1	29	60	16.0	-	7.9	-	-	-	-	-	110	105	200	-	220	-	-	-	-
2	5	60	18.0	-	8.3	-	-	-	-	-	120	125	210	-	180	-	-	-	-
2	19	60	15.0	-	8.1	-	-	-	-	-	150	145	230	-	140	-	-	-	-
2	26	60	11.0	-	8.2	-	-	-	-	-	180	140	260	-	85	-	-	-	-
3	4	60	13.3	-	8.2	-	-	-	-	-	280	160	290	-	40	-	-	-	-
3	11	60	20.6	-	8.3	-	-	-	-	-	370	160	360	-	45	-	-	-	-
3	19	60	16.7	-	8.3	-	-	-	-	-	390	135	310	-	60	-	-	-	-
3	25	60	21.7	-	7.9	-	-	-	-	-	330	155	330	-	60	-	-	-	-
4	1	60	22.8	-	8.2	-	-	-	-	-	400	150	280	-	60	-	-	-	-
4	8	60	24.0	-	8.2	-	-	-	-	-	260	130	270	-	60	-	-	-	-
4	15	60	25.0	-	8.3	-	-	-	-	-	180	115	210	-	80	-	-	-	-
4	29	60	25.0	-	8.3	-	-	-	-	-	210	105	220	-	330	-	-	-	-
5	6	60	28.0	-	8.3	-	-	-	-	-	270	125	290	-	40	-	-	-	-
5	13	60	25.0	-	8.3	-	-	-	-	-	360	155	360	-	50	-	-	-	-
5	27	60	31.0	-	8.3	-	-	-	-	-	160	105	210	-	110	-	-	-	-
6	4	60	30.0	-	8.3	-	-	-	-	-	180	110	320	-	40	-	-	-	-
6	10	60	30.0	-	8.3	-	-	-	-	-	150	280	280	-	60	-	-	-	-
6	17	60	29.0	-	9.2	-	-	-	-	-	150	125	290	-	110	-	-	-	-
6	24	60	29.0	-	8.3	-	-	-	-	-	170	125	260	-	400	-	-	-	-
7	1	60	31.0	-	8.3	-	-	-	-	-	210	135	340	-	120	-	-	-	-
7	15	60	31.7	-	8.3	-	-	-	-	-	140	130	280	-	140	-	-	-	-
7	22	60	31.1	-	9.3	-	-	-	-	-	100	110	320	-	120	-	-	-	-
8	19	60	28.0	-	8.3	-	-	-	-	-	140	190	200	-	400	-	-	-	-
8	26	60	31.0	-	9.3	-	-	-	-	-	160	110	320	-	75	-	-	-	-
9	2	60	31.0	-	8.3	-	-	-	-	-	380	110	120	-	120	-	-	-	-
9	16	60	29.0	-	8.3	-	-	-	-	-	160	110	300	-	100	-	-	-	-
9	19	60	30.0	-	8.1	-	-	-	-	-	180	120	180	-	1000	-	-	-	-
9	23	60	31.2	-	8.3	-	-	-	-	-	220	120	320	-	240	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN LOWER RIO GRANDE BELOW PECOS RIVER

STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	26.0	-	8.2	-	-	-	-	-	32	91	126	-	3600	63	-	-	35000
10	13	59	27.0	-	8.3	-	-	-	-	-	46	133	193	-	450	87	-	-	1100
10	20	59	23.0	-	8.3	-	-	-	-	-	48	122	189	-	520	66	-	-	1900
10	27	59	23.0	-	8.3	-	-	-	-	-	110	128	264	-	25	148	-	-	90
11	3	59	24.0	-	8.3	-	-	-	-	-	95	142	262	-	60	160	-	-	370
11	10	59	16.0	-	8.3	-	-	-	-	-	90	146	266	-	112	138	-	-	2600
11	17	59	13.5	-	8.2	-	-	-	-	-	95	150	274	-	105	145	-	-	2600
11	24	59	16.0	-	8.3	-	-	-	-	-	90	151	270	-	140	152	-	-	2000
12	1	59	13.1	-	8.3	-	-	-	-	-	95	152	280	-	168	170	-	-	330
12	8	59	13.0	-	8.3	-	-	-	-	-	90	145	272	-	112	154	-	-	150
12	15	59	16.5	-	8.3	-	-	-	-	-	95	145	272	-	94	156	-	-	450
12	22	59	14.0	-	8.3	-	-	-	-	-	105	149	286	-	63	156	-	-	-
12	29	59	14.0	-	8.3	-	-	-	-	-	110	149	292	-	69	156	-	-	45
1	5	60	13.0	-	8.2	-	-	-	-	-	115	145	292	-	70	152	-	-	510
1	12	60	17.0	-	8.3	-	-	-	-	-	115	145	292	-	92	156	-	-	230
1	19	60	13.0	-	8.3	-	-	-	-	-	115	147	290	-	114	169	-	-	400
1	26	60	11.0	-	8.2	-	-	-	-	-	110	152	294	-	210	169	-	-	230
2	2	60	14.0	-	8.2	-	-	-	-	-	115	148	300	-	198	183	-	-	1300
2	9	60	15.0	-	8.2	-	-	-	-	-	105	148	292	-	376	183	-	-	2400
2	16	60	12.1	-	8.2	-	-	-	-	-	100	139	274	-	336	160	-	-	7000
2	23	60	14.8	-	8.2	-	-	-	-	-	105	140	266	-	312	224	-	-	3500
3	1	60	12.0	-	8.2	-	-	-	-	-	105	142	268	-	300	173	-	-	3100
3	9	60	12.1	-	8.2	-	-	-	-	-	95	147	268	-	328	157	-	-	1300
3	15	60	16.0	-	8.3	-	-	-	-	-	100	137	254	-	266	142	-	-	4500
3	22	60	18.0	-	8.3	-	-	-	-	-	105	135	256	-	160	156	-	-	280
3	29	60	21.0	-	8.3	-	-	-	-	-	115	136	274	-	98	172	-	-	250
4	5	60	19.5	-	8.3	-	-	-	-	-	130	132	270	-	88	176	-	-	200
4	12	60	23.0	-	8.3	-	-	-	-	-	135	131	276	-	80	180	-	-	800
4	19	60	23.0	-	8.3	-	-	-	-	-	135	129	278	-	98	176	-	-	54
4	26	60	25.0	-	8.2	-	-	-	-	-	125	131	276	-	104	165	-	-	80
5	3	60	22.0	-	8.1	-	-	-	-	-	96	117	276	-	750	129	-	-	1300
5	10	60	25.0	-	8.2	-	-	-	-	-	120	131	266	-	208	169	-	-	130
5	17	60	27.0	-	8.2	-	-	-	-	-	130	121	246	-	142	173	-	-	3200
5	24	60	27.0	-	8.3	-	-	-	-	-	130	124	266	-	176	166	-	-	400
5	31	60	28.0	-	8.2	-	-	-	-	-	100	123	232	-	172	138	-	-	170
6	7	60	29.0	-	8.2	-	-	-	-	-	125	117	256	-	114	158	-	*	280
6	14	60	29.1	-	9.2	-	-	-	-	-	120	120	256	-	156	160	-	-	280
6	21	60	30.0	-	8.3	-	-	-	-	-	105	121	280	-	117	231	-	-	600
6	28	60	29.0	-	8.3	-	-	-	-	-	90	128	272	-	133	142	-	-	150

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN LOWER RIO GRANDE BELOW PECOS RIVER

STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	S.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATE mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	29.0	-	8.3	-	-	-	-	-	105	113	260	-	100	217	-	-	130
7	12	60	28.5	-	8.2	-	-	-	-	-	110	102	202	-	7600	125	-	-	20000
7	19	60	28.0	-	8.0	-	-	-	-	-	38	86	180	-	12000	124	-	-	19000
7	26	60	28.0	-	8.2	-	-	-	-	-	60	127	222	-	7500	162	-	-	-
8	2	60	30.0	-	8.3	-	-	-	-	-	70	132	230	-	5800	165	-	-	2000
8	9	60	28.0	-	8.3	-	-	-	-	-	72	132	242	-	1580	155	-	-	2000
8	16	60	28.0	-	8.3	-	-	-	-	-	58	137	216	-	3700	115	-	-	7400
8	23	60	29.0	-	8.2	-	-	-	-	-	48	113	248	-	10000	199	-	-	4000
8	30	60	28.5	-	8.1	-	-	-	-	-	52	113	236	-	16400	183	-	-	14000
9	6	60	28.0	-	8.1	-	-	-	-	-	24	100	212	-	18000	153	-	-	5600
9	13	60	27.0	-	8.2	-	-	-	-	-	34	123	196	-	3000	136	-	-	-
9	20	60	28.0	-	8.4	-	-	-	-	-	52	147	222	-	1000	124	-	-	-
9	27	60	24.5	-	8.3	-	-	-	-	-	58	117	200	-	2300	125	-	-	2500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN UPPER RIO GRANDE ABOVE PECOS RIVER

STATION LOCATION RIO GRANDE RIVER AT EL PASO, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	28.0	8.5	7.7	2.2	-	1.4	4.2	-	286	226	426	-	65	506	-	1532	5900
3	14	60	17.3	9.2	8.4	2.6	-	1.1	2.9	-	77	148	202	-	180	227	-	734	330
3	21	60	17.0	8.3	8.0	1.8	-	1.5	2.8	-	87	146	282	-	285	248	-	745	4800
3	28	60	25.0	8.8	8.3	2.7	-	1.3	2.6	-	85	167	308	-	225	271	-	756	4250
4	4	60	28.8	8.3	8.3	2.2	-	1.2	2.4	-	111	175	334	-	150	272	-	1155	-
4	11	60	26.7	8.8	8.3	2.8	-	1.1	2.4	-	96	170	352	-	100	318	-	972	1800
4	18	60	27.8	8.6	8.3	3.1	-	1.5	3.8	-	87	178	362	-	110	308	-	930	10000
4	25	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3500
4	27	60	30.0	11.2	8.1	3.4	-	1.7	2.0	-	94	185	350	-	110	304	-	1033	-
5	5	60	19.2	9.2	8.4	4.4	-	1.6	2.4	-	110	198	366	-	100	355	-	1078	-
5	10	60	20.0	8.8	8.1	3.7	-	1.2	1.8	-	96	181	344	-	130	213	-	954	1800
5	17	60	20.5	10.1	8.0	2.4	-	2.0	2.1	-	79	169	320	-	120	282	-	813	1800
5	23	60	18.2	9.4	8.2	4.1	-	1.8	1.1	-	82	182	370	-	190	256	-	993	5000
5	31	60	20.5	10.2	8.1	5.6	-	2.0	1.6	-	85	170	360	-	185	266	-	1010	4100
6	6	60	21.5	9.7	8.2	5.1	-	1.1	1.9	-	53	172	330	-	165	296	-	861	-
6	12	60	20.5	10.2	8.2	-	-	1.7	2.2	-	101	160	308	-	2800	257	-	781	-
6	21	60	30.3	9.4	8.1	6.2	-	1.5	2.8	-	92	180	361	-	800	314	-	932	1300
6	27	60	31.5	6.3	8.2	1.4	-	1.9	2.4	-	89	176	329	-	350	282	-	878	-
7	7	60	27.8	10.2	8.2	7.1	-	1.2	1.9	-	50	160	300	-	180	240	-	823	-
7	11	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19000
7	12	60	34.5	7.8	8.1	4.0	-	1.4	1.8	-	61	159	296	-	10500	348	-	826	-
7	18	60	25.2	7.2	8.3	1.6	-	1.7	2.3	-	152	176	342	-	1800	323	-	885	230
7	25	60	25.6	6.0	8.1	1.1	-	1.4	2.0	-	108	165	302	-	870	267	-	805	1500
8	1	60	30.0	6.8	8.2	1.7	-	1.7	1.9	-	116	161	296	-	600	271	-	815	-
8	8	60	30.0	7.2	8.2	1.0	-	1.4	2.2	-	114	170	280	-	380	290	-	813	-
8	16	60	27.2	8.1	8.4	2.0	-	1.4	2.1	-	123	186	330	-	240	283	-	834	-
8	23	60	28.0	7.9	8.3	1.4	-	1.6	2.4	-	105	184	354	-	280	270	-	832	-
8	29	60	27.0	8.3	8.2	1.7	-	1.5	1.9	-	107	198	393	-	270	266	-	828	-
9	5	60	26.0	9.8	8.2	3.2	-	1.4	1.8	-	108	155	302	-	220	267	-	805	-
9	12	60	22.2	9.4	8.1	3.0	-	1.5	1.8	-	111	191	398	-	200	266	-	802	-
9	19	60	24.4	7.8	8.2	6.7	-	1.9	2.0	-	185	225	428	-	220	407	-	1255	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3100
10	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
10	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5200
10	26	59	22.3	-	6.4	-	-	-	-	-	8	-	-	120	35	-	-	-	2400
10	30	59	17.5	6.2	6.2	1.9	-	-	-	-	8	12	20	90	44	2	-	55	-
11	2	59	19.0	5.4	6.4	-	-	-	-	-	6	-	-	60	30	-	-	-	1700
11	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820
11	16	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	690
11	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400
11	27	59	15.3	7.3	6.3	2.0	-	-	-	-	7	17	26	50	44	2	-	34	-
11	30	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
12	7	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	760
12	11	59	11.4	9.5	6.3	2.4	-	-	-	-	7	14	18	40	44	2	-	50	-
12	14	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3000
12	21	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
12	28	59	11.2	8.4	6.7	-	-	-	-	-	-	-	-	50	25	-	-	-	6300
1	8	60	10.6	9.5	6.9	3.7	-	-	-	-	8	13	16	60	35	3	-	47	-
1	11	60	11.3	7.6	6.6	-	-	2.9	5.9	-	6	-	-	10	5	-	-	-	1900
1	18	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
1	25	60	5.5	10.4	6.9	-	-	2.8	-	-	8	-	-	20	5	-	-	-	600
2	1	60	9.0	8.1	6.4	-	-	6.0	8.4	-	3	-	-	40	5	-	-	-	810
2	8	60	10.0	7.6	6.7	-	-	4.0	6.8	-	9	-	-	10	25	-	-	-	200
2	12	60	12.2	8.7	6.5	.8	-	-	-	-	3	10	13	80	74	8	-	52	-
2	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120
2	23	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
2	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
3	7	60	6.0	8.8	6.7	-	-	2.9	6.7	-	5	-	-	20	5	-	-	-	130
3	14	60	7.0	11.4	6.6	-	-	2.8	3.3	-	7	16	30	5	5	15	-	-	200
3	21	60	9.0	10.4	6.8	-	-	4.1	6.8	-	9	-	-	5	5	-	-	-	160
3	24	60	11.7	9.6	6.0	1.2	-	-	-	-	4	12	14	65	74	6	-	52	-
3	28	60	14.3	9.6	6.8	-	-	2.0	5.7	-	4	-	-	5	5	-	-	-	5100
4	4	60	18.0	5.9	6.2	-	-	1.1	8.9	-	9	-	-	60	30	-	-	-	1700
4	7	60	18.3	6.7	6.4	2.2	-	-	-	-	4	14	16	-	58	4	-	58	-
4	11	60	14.0	7.1	6.5	-	-	4.8	8.0	-	6	-	-	40	30	-	-	-	420
4	18	60	14.6	8.8	6.6	-	-	3.7	8.4	-	6	-	-	30	5	-	-	-	310
4	25	60	21.0	6.6	6.6	-	-	3.9	7.6	-	6	-	-	10	5	-	-	-	400

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
5	2	60	19.3	5.8	6.6	-	-	4.9	8.8	-	9	-	-	40	30	-	-	-	1100
5	5	60	19.2	7.0	7.0	.8	-	-	-	-	5	14	19	70	67	5	-	51	-
5	9	60	19.0	7.0	6.6	-	-	3.3	6.0	-	5	-	-	10	5	-	-	-	2000
5	16	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1700
5	24	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
5	30	60	25.1	6.3	6.7	-	-	3.3	7.9	-	7	-	-	20	65	-	-	-	4300
6	6	60	25.2	6.3	6.7	-	-	3.7	8.2	-	26	-	-	30	35	-	-	-	19000
6	13	60	24.5	5.3	6.6	-	-	3.9	8.9	-	10	-	-	40	35	-	-	-	2100
6	16	60	26.4	7.0	6.2	1.2	-	-	-	-	3	17	16	60	69	4	-	51	-
6	20	60	27.0	5.7	6.7	-	-	3.8	8.0	-	-	-	28	30	30	-	-	-	8700
6	27	60	26.5	6.3	6.7	-	-	3.5	8.7	-	7	-	-	30	55	-	-	-	2200
7	5	60	27.8	5.8	6.7	-	-	4.3	8.8	-	4	-	-	40	35	-	-	-	7500
7	11	60	26.4	6.1	6.5	-	-	3.6	10.6	-	3	-	-	30	35	-	-	-	1800
7	18	60	26.2	4.7	6.4	1.6	-	8.9	12.0	-	-	-	-	40	30	-	-	-	2900
7	25	60	29.0	6.1	6.8	-	-	3.8	9.9	-	6	-	-	30	30	-	-	-	3100
8	1	60	24.1	4.6	6.0	-	-	8.6	13.9	-	6	-	-	40	45	-	-	-	16000
8	4	60	26.1	5.9	6.5	.8	-	-	-	-	4	13	18	70	55	4	-	56	-
8	8	60	27.5	5.7	6.6	-	-	3.9	9.8	-	5	-	-	30	45	-	-	-	18000
8	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3500
8	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3600
8	29	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2400
9	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4000
9	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2700
9	19	60	26.4	5.7	6.7	-	-	-	-	-	-	-	-	20	40	-	-	-	33000
9	26	60	24.4	5.2	6.6	-	-	4.0	8.8	-	-	-	-	20	25	-	-	-	1600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE SOUTH CAROLINA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	24.4	8.5	6.7	-	-	-	-	-	5	17	12	-	15	-	-	-	-
10	12	59	23.3	8.6	7.0	-	-	-	-	-	5	18	14	-	25	-	-	-	500
10	19	59	20.0	9.1	6.8	-	-	-	-	-	5	20	18	-	40	-	-	-	2700
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	960
10	29	59	17.7	9.6	6.7	-	-	-	-	-	5	17	20	-	30	-	-	-	-
11	2	59	18.8	9.4	6.9	-	-	-	-	-	5	17	14	-	35	-	-	-	1000
11	9	59	16.6	10.0	6.9	-	-	-	-	-	5	16	17	-	10	-	-	-	-
11	16	59	16.6	10.0	6.9	-	-	-	-	-	5	16	15	-	10	-	-	-	20
11	23	59	15.5	10.1	6.9	-	-	-	-	-	5	16	14	-	10	-	-	-	110
11	30	59	11.1	11.5	6.9	-	-	-	-	-	5	16	12	-	10	-	-	-	220
12	7	59	8.8	11.8	7.0	-	-	-	-	-	5	17	15	-	16	-	-	-	20
12	14	59	12.2	10.9	7.1	-	-	-	-	-	5	19	17	-	15	-	-	-	41
7	18	60	21.1	-	6.7	-	-	-	-	-	-	22	18	-	20	-	-	-	-
7	26	60	22.3	-	6.9	-	-	-	-	-	-	22	22	-	22	-	-	-	-
8	2	60	20.9	-	6.8	-	-	-	-	-	-	22	23	-	20	-	-	-	-
8	8	60	25.0	-	7.1	-	-	-	-	-	-	24	26	-	2	-	-	-	-
8	15	60	24.1	-	7.1	-	-	-	-	-	-	20	20	-	15	-	-	-	-
8	22	60	23.9	-	6.8	-	-	-	-	-	-	22	26	-	11	-	-	-	-
8	29	60	23.1	-	6.9	-	-	-	-	-	-	25	30	-	0	-	-	-	-
9	7	60	24.1	-	6.9	-	-	-	-	-	3	26	22	-	0	-	-	-	-
9	13	60	23.3	8.6	6.9	-	-	-	-	-	4	26	18	-	0	-	-	-	-
9	19	60	25.0	-	7.1	-	-	-	-	-	-	26	14	-	0	-	-	-	-

Reproduced from best available copy.

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE SCHUYLKILL RIVERS

STATION LOCATION SCHUYLKILL RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
1	25	60	3.8	13.8	7.8	1.4	13	-	-	.3	9	50	128	23	7	-	-	-	850
2	1	60	3.9	12.4	7.3	.4	4	-	-	.2	9	31	92	33	17	-	-	-	1500
2	8	60	6.6	12.2	7.5	2.0	10	.6	3.9	.3	9	48	120	45	28	57	-	180	6800
2	15	60	3.9	13.2	7.3	1.6	8	.6	3.6	.2	9	31	92	33	17	46	-	167	7900
2	23	60	5.0	12.4	7.3	1.6	6	1.2	2.9	.1	9	37	96	28	9	42	-	151	750
2	29	60	4.4	12.4	7.4	1.2	8	.6	2.0	-	9	39	100	7	10	53	-	173	1600
3	7	60	3.0	13.8	7.5	1.1	5	.6	3.9	.2	12	46	114	27	9	57	-	174	1900
3	14	60	5.0	12.8	7.5	1.4	9	.6	4.6	.4	14	56	132	23	8	65	-	152	530
3	21	60	5.0	12.6	7.6	1.8	12	.0	3.0	.2	10	47	108	38	12	49	-	161	1400
3	28	60	7.7	11.8	7.6	1.0	8	.0	3.0	.2	11	53	116	23	7	56	-	147	530
4	4	60	11.1	11.8	7.4	.2	36	2.6	5.6	.2	6	33	88	70	95	38	-	134	13000
4	11	60	8.8	12.2	7.3	-	9	-	-	.1	8	33	90	37	23	-	-	-	10000
4	18	60	19.0	9.4	7.5	-	8	1.9	3.6	.2	8	45	116	50	25	59	-	161	1300
4	25	60	20.5	8.4	7.7	1.4	9	1.9	5.9	.1	8	54	132	28	25	60	-	236	250
5	2	60	17.8	9.0	7.5	.8	8	1.9	4.6	.1	11	58	144	18	25	71	.2	210	12000
5	9	60	21.1	8.0	7.7	1.4	10	2.9	5.2	.1	14	66	128	38	25	61	.1	228	1800
5	16	60	17.7	9.6	7.4	1.2	8	1.6	3.2	.1	10	41	100	38	20	51	.2	177	750
5	23	60	20.0	8.6	7.2	1.8	11	2.2	4.9	.1	9	44	124	40	40	62	.2	182	5700
5	30	60	20.0	8.2	7.4	-	10	1.9	4.9	-	8	47	120	-	25	64	.2	198	-
5	31	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5600
6	6	60	25.6	7.2	7.5	1.4	9	1.0	3.9	.1	11	51	112	37	23	74	.2	210	1400
6	13	60	24.4	5.8	7.5	2.8	11	2.0	4.9	.1	15	58	120	46	45	84	.1	188	21000
6	20	60	26.1	7.0	7.4	1.2	11	1.6	2.6	.1	10	49	128	43	23	54	.1	210	700
6	27	60	26.0	5.6	7.4	.8	10	1.9	4.6	.1	12	55	140	38	25	74	.2	226	630
7	5	60	26.7	7.0	7.5	.8	10	-	-	.2	12	58	128	35	25	58	.2	220	860
7	11	60	26.7	6.0	7.5	2.8	11	2.6	5.0	.4	13	60	164	38	38	70	.2	282	-
7	18	60	25.6	6.0	7.4	1.4	13	2.4	4.8	.2	11	50	128	54	40	80	.1	224	1100
7	25	60	27.5	6.2	7.6	3.2	14	3.6	5.9	.1	10	67	160	36	32	101	.1	302	330
8	1	60	28.9	5.2	7.4	1.2	8	2.9	8.6	.1	13	66	132	35	45	72	.1	281	1700
8	8	60	27.0	5.2	7.3	1.8	15	2.0	7.9	.2	9	55	102	60	45	53	.0	188	1500
8	15	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	700
8	19	60	27.0	5.2	7.4	1.2	7	2.0	5.9	.2	20	71	164	40	27	80	.0	295	-
8	22	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
8	26	60	26.7	-	7.8	1.9	74	2.8	5.7	-	-	69	156	33	25	87	.3	267	-
8	29	60	27.9	7.0	7.8	1.4	11	3.9	7.9	.1	19	74	198	40	25	91	.6	301	2600
9	6	60	26.3	4.8	7.3	1.2	13	3.7	6.8	.2	18	62	142	46	30	97	.0	292	3500
9	12	60	24.5	5.4	7.4	1.4	15	4.7	8.0	.2	21	64	124	44	42	65	.1	153	21000
9	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4500
9	26	60	20.6	8.8	7.5	1.6	6	-	-	.1	9	38	108	16	25	55	.2	144	7500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	15.0	9.9	8.0	4.6	12	1.4	7.9	.2	75	98	99	15	2	41	-	205	560
10	12	59	15.0	10.2	8.4	.6	13	.3	3.8	.0	65	88	76	26	4	48	-	174	1400
10	19	59	14.0	10.3	8.2	1.2	7	.6	3.0	.0	40	84	94	16	4	33	-	168	2700
10	26	59	14.0	10.1	7.8	1.5	5	1.2	4.3	.0	5	65	61	17	5	24	-	143	1700
11	2	59	8.0	12.2	8.0	2.7	8	.0	2.6	.0	4	86	62	14	2	30	-	141	660
11	9	59	7.0	12.4	8.4	1.9	4	1.1	4.1	.0	6	90	70	17	2	28	-	146	1100
11	16	59	.5	12.8	8.0	4.4	-	1.2	3.3	.0	8	90	81	16	2	31	-	164	210
11	23	59	2.5	12.5	7.4	5.5	7	1.0	3.5	.0	9	86	66	18	12	31	-	122	5400
11	30	59	5.0	12.7	8.1	2.4	8	.0	2.5	.0	8	86	77	19	3	37	-	154	430
12	7	59	2.5	13.2	7.7	5.0	-	.0	5.7	.1	10	96	92	16	2	42	-	202	200
12	14	59	2.5	12.9	7.8	2.2	12	.8	2.0	.0	12	80	88	17	2	39	-	156	1200
12	21	59	2.0	12.6	7.8	2.4	9	.8	2.6	.0	11	96	114	17	0	36	-	184	550
12	28	59	2.0	13.0	8.2	2.3	9	.8	2.7	.0	12	90	82	16	2	37	-	190	920
1	4	60	.5	13.4	8.1	5.4	8	.0	2.2	.0	15	122	125	17	0	45	-	188	210
1	11	60	.5	16.0	8.1	2.8	7	.6	1.0	.0	14	116	119	17	1	44	-	220	425
1	18	60	.0	13.3	8.2	1.5	7	.5	2.1	.0	14	112	120	17	2	42	-	199	100
1	25	60	.0	13.0	8.0	3.4	9	.0	2.0	.0	15	120	125	17	2	44	-	208	360
2	1	60	2.4	11.8	8.2	2.1	8	1.0	3.0	.0	15	112	113	18	0	42	-	222	580
2	8	60	3.0	13.4	7.5	2.5	13	1.2	7.0	.0	11	96	99	24	.138	30	-	195	920
2	15	60	2.2	11.5	7.3	2.3	7	1.0	4.0	.0	12	92	96	18	14	42	-	193	1100
2	22	60	3.0	13.3	8.0	2.1	9	1.7	3.5	.0	18	130	114	18	3	45	-	221	1800
2	29	60	1.0	13.4	8.2	4.0	10	.5	1.5	.0	14	124	125	18	5	41	-	226	220
3	7	60	3.8	12.2	8.0	2.1	9	.8	3.2	.0	12	112	110	18	10	42	-	214	330
3	14	60	4.0	12.1	8.0	2.2	12	1.4	4.0	.0	13	108	104	18	26	43	-	171	1200
3	21	60	6.2	10.3	7.6	2.2	10	1.5	6.9	.0	7	70	72	38	120	43	-	179	1100
3	28	60	7.0	10.4	7.6	2.9	7	1.3	6.1	.0	0	38	44	35	55	38	-	109	280
4	4	60	7.0	10.2	7.6	1.8	8	1.3	4.8	.0	4	50	54	38	19	32	-	116	780
4	11	60	8.8	10.5	7.3	1.6	7	.9	3.7	.0	2	28	28	25	8	8	-	67	360
4	18	60	8.2	12.0	7.7	3.5	8	1.5	4.4	.0	8	44	44	25	10	16	-	102	700
4	25	60	8.8	10.5	7.7	3.1	9	1.2	3.0	.0	6	52	46	22	7	12	-	102	1300
5	2	60	8.7	11.1	7.7	3.0	9	1.2	4.5	.0	7	44	42	20	3	11	-	91	900
5	9	60	9.5	10.7	7.7	3.0	12	1.0	5.6	.0	3	38	36	20	23	13	-	76	2200
5	16	60	9.0	12.0	7.4	2.0	7	1.5	3.5	.0	1	34	32	20	10	15	-	68	1200
5	23	60	10.2	11.0	8.1	2.8	8	.5	3.9	.0	4	20	18	20	12	14	-	70	460
5	30	60	11.1	11.2	8.0	1.6	9	1.2	4.4	.0	2	40	38	20	3	9	-	78	460
6	6	60	12.6	11.8	7.8	1.4	11	1.4	3.4	.0	2	35	34	20	12	10	-	65	5200
6	13	60	14.0	11.2	7.0	1.2	6	1.6	5.0	.0	3	32	30	20	3	11	-	54	640
6	20	60	14.2	-	7.2	2.9	4	.8	3.0	.0	3	33	33	20	2	14	-	66	1200
6	27	60	17.0	10.3	7.3	1.0	6	1.0	3.6	.0	2	51	40	20	0	22	-	99	620

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	5	60	20.0	10.7	7.8	1.0	4	1.4	2.0	.0	6	58	50	10	0	10	-	82	200
7	11	60	21.0	9.6	7.5	1.0	6	.5	2.1	.0	7	50	48	17	0	15	-	94	530
7	18	60	21.8	9.6	7.8	1.4	6	1.4	2.4	.0	6	61	61	17	10	16	-	105	380
7	25	60	22.2	12.0	7.9	2.2	5	1.3	3.0	.0	8	70	65	17	*1	22	-	120	150
8	1	60	22.2	9.9	7.6	1.2	5	1.2	4.8	.0	10	86	78	16	2	30	-	127	1000
8	8	60	24.1	10.2	7.6	1.5	8	1.7	3.0	.0	12	98	80	18	*1	28	-	146	130
8	15	60	23.0	9.4	8.1	1.7	22	2.0	5.1	.1	14	102	84	17	20	26	-	158	300
8	22	60	20.2	7.7	8.2	-	1	-	-	.2	12	108	84	15	-	25	-	160	1600
8	29	60	18.0	9.0	7.8	1.5	6	1.0	6.2	.0	12	106	102	17	20	28	-	174	1900
9	6	60	19.2	10.0	8.0	2.6	7	1.5	4.8	.0	9	104	112	7	10	24	-	158	170
9	12	60	20.5	11.1	8.1	1.6	12	1.0	3.0	.0	9	124	114	7	*1	25	-	220	450
9	19	60	19.0	9.0	8.0	1.0	8	.0	3.4	.0	17	122	120	17	40	36	-	204	1300
9	26	60	10.7	10.7	8.2	1.5	11	1.7	3.1	.0	17	122	126	17	20	24	-	200	1100

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IDAHO

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN CENTRAL SNAKE RIVER

STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	8	60	4.5	10.8	7.5	-	-	1.0	7.5	.2	-	108	172	10	-	-	-	-	50
2	15	60	5.0	11.2	7.5	-	5	.5	1.3	.4	-	150	180	5	-	-	-	-	-
2	22	60	6.0	10.4	7.6	1.4	8	1.0	2.6	-	-	162	194	5	-	-	-	-	-
2	29	60	2.0	11.5	7.8	1.5	8	1.7	-	-	-	162	204	10	-	-	-	-	-
3	7	60	5.9	10.5	7.6	-	-	2.7	8.7	-	-	142	196	-	-	-	-	-	-
3	14	60	6.9	11.5	8.2	2.4	42	1.5	2.7	.1	-	160	188	10	-	-	-	-	-
3	21	60	9.5	9.6	8.2	3.6	38	3.6	10.9	.2	-	116	134	10	-	-	-	-	-
3	28	60	11.9	9.4	7.6	1.6	12	5.8	10.9	.1	-	120	156	5	-	-	-	-	*20
4	4	60	10.4	13.2	7.6	4.3	30	1.4	7.9	.3	-	128	148	5	-	-	-	-	-
4	11	60	10.1	8.1	7.6	2.3	5	1.7	8.2	.1	-	96	120	5	-	-	-	-	*20
4	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*40
4	18	60	10.2	9.7	7.3	3.0	5	-	-	.3	-	130	148	5	-	-	-	-	150
4	25	60	10.9	11.2	7.3	4.1	11	-	-	.2	-	150	164	5	-	-	-	-	*30
5	2	60	10.5	9.9	7.6	3.4	12	-	-	.3	-	148	200	5	-	-	-	-	*50
5	9	60	10.6	9.7	7.7	-	6	-	-	.3	-	116	114	5	-	-	-	-	130
5	16	60	10.4	9.6	7.6	3.4	3	-	-	.3	-	116	112	5	-	-	-	-	*14
5	31	60	18.2	9.5	7.6	4.3	10	-	-	.4	-	106	160	5	-	-	-	-	*50
6	6	60	18.5	8.3	7.6	1.5	3	-	-	.3	-	94	80	5	-	-	-	-	*20
6	13	60	20.2	8.4	8.3	2.1	8	-	-	.3	-	102	132	5	-	-	-	-	27
6	20	60	17.1	8.6	7.6	3.1	7	-	-	.3	-	118	144	-	-	-	-	-	-
6	28	60	22.5	9.2	7.2	2.5	6	-	-	.3	-	150	128	5	-	-	-	-	20
7	11	60	24.9	8.2	8.0	3.2	17	-	-	.3	-	160	228	5	-	-	-	-	150
7	18	60	25.9	7.7	8.4	3.2	7	-	-	.3	-	112	188	5	-	-	-	-	60
7	25	60	24.0	7.8	7.8	2.5	5	-	-	.3	-	162	196	5	-	-	-	-	40
8	1	60	23.5	6.7	7.7	1.9	11	-	-	.2	-	162	212	5	-	-	-	-	*20
8	8	60	24.5	8.4	7.8	2.8	4	-	-	.3	-	112	184	5	-	-	-	-	-
8	15	60	20.8	10.2	7.8	4.6	4	-	-	.3	3	120	180	5	22	-	-	-	-
8	23	60	21.8	10.0	8.2	3.5	15	-	-	.3	3	184	220	5	15	-	-	-	-
8	29	60	18.5	8.7	7.0	3.9	21	-	-	.3	3	174	204	5	18	-	-	-	-
9	5	60	20.1	9.7	7.4	3.9	10	-	-	.3	3	194	220	5	23	-	-	-	-
9	19	60	18.5	8.9	7.8	3.7	33	-	-	.3	3	202	116	5	20	-	-	-	-
9	26	60	19.9	8.4	7.8	2.9	18	-	-	.3	3	190	240	5	18	-	-	-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER BASIN

STATION LOCATION SUSQUEHANNA RIVER AT CONOWINGO, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	27	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1200
7	6	60	24.4	–	7.5	–	5	–	–	–	4	32	58	9	9	37	–	119	*1400
7	13	60	23.9	5.1	7.3	1.5	5	.9	3.8	.1	7	35	63	8	4	51	–	137	–
7	20	60	24.4	6.7	7.3	2.0	2	2.3	3.9	.1	6	37	83	8	5	55	–	152	1500
7	27	60	25.6	5.4	7.3	1.5	3	1.9	3.0	.1	8	40	89	10	4	70	–	164	–
9	14	60	25.0	5.5	7.3	1.4	10	2.6	4.6	.2	9	42	129	9	12	68	–	206	410
9	21	60	20.0	6.9	7.3	.9	11	2.2	4.4	–	6	30	76	11	12	42	–	122	830
9	28	60	19.4	7.1	7.3	.8	9	1.8	3.5	.0	7	27	87	11	13	59	–	142	330

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200
10	7	59	24.1	6.4	7.4	.8	16	1.5	3.6	.1	10	50	66	4	15	15	-	133	-
10	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4700
10	14	59	22.4	6.4	7.3	.8	12	1.6	3.4	.0	16	54	72	8	22	19	-	115	-
10	20	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	590
10	21	59	20.2	7.1	7.3	1.6	12	1.4	3.7	.0	20	52	80	8	13	25	-	102	-
10	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1300
10	28	59	16.8	7.7	7.3	2.0	12	1.6	3.4	.0	23	50	74	8	14	16	-	161	-
11	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320
11	4	59	16.2	7.6	7.4	1.7	10	1.4	3.9	.0	19	52	74	10	15	17	-	128	-
11	10	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190
11	12	59	13.4	8.6	7.3	2.0	10	1.2	3.6	.0	19	47	70	8	14	16	-	155	-
11	17	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2400
11	18	59	12.3	8.9	7.3	2.5	15	1.4	3.6	.0	18	48	70	10	15	18	-	165	-
11	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250
11	25	59	11.2	8.2	7.3	2.1	25	2.4	5.9	.0	14	56	72	23	153	17	-	149	-
12	1	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
12	2	59	8.9	10.0	7.3	2.0	15	1.9	4.3	.0	16	49	72	15	22	20	-	137	-
12	8	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200
12	9	59	8.4	9.8	7.3	2.2	13	1.8	4.0	.0	20	50	76	10	15	18	-	170	-
12	15	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
12	16	59	8.4	9.8	7.3	2.7	11	1.8	4.4	.1	15	47	68	15	20	13	-	116	-
12	22	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
12	23	59	7.8	11.0	7.2	2.4	11	1.7	4.2	.0	14	45	64	14	35	20	-	160	-
12	29	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105
12	30	59	8.4	10.2	-	5.7	11	1.7	4.2	.0	14	51	68	10	30	18	-	113	-
1	5	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	780
1	6	60	6.2	10.6	7.2	5.7	7	1.7	4.1	.0	12	56	92	8	32	18	-	170	-
1	12	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420
1	13	60	8.4	10.3	7.3	3.5	10	2.2	4.7	.0	15	55	82	9	13	18	-	145	-
1	19	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420
1	20	60	7.3	10.7	7.4	3.2	9	1.6	4.2	.0	17	56	72	14	22	18	-	122	-
1	26	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420
1	27	60	6.2	10.2	7.4	3.5	10	2.2	4.7	.0	8	58	76	8	15	18	-	145	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	2	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	240
2	3	60	7.9	10.6	7.3	2.5	12	1.8	3.5	.0	4	55	70	10	15	14	–	96	–
2	9	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	140
2	10	60	7.8	10.6	7.3	1.7	13	1.7	3.5	.0	2	56	76	2	18	15	–	108	–
2	16	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*4
2	17	60	6.2	11.2	7.3	1.7	11	1.7	3.5	.1	8	54	70	7	16	13	–	116	–
2	23	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	40
2	24	60	5.6	11.2	7.3	2.8	10	1.0	4.0	.1	7	53	68	6	22	14	–	110	–
3	1	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	270
3	2	60	5.6	11.6	7.3	2.3	10	1.6	3.6	.0	4	45	58	2	15	12	–	80	–
3	8	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	88
3	9	60	–	11.8	–	2.1	10	1.0	3.3	.0	–	–	–	–	–	–	–	–	–
3	10	60	4.5	–	7.3	–	–	–	–	–	–	–	–	–	–	13	–	84	–
3	15	60	–	–	–	–	–	–	–	–	2	47	54	6	20	–	–	–	–
3	16	60	5.6	11.5	7.3	1.9	10	1.5	3.2	.0	4	52	66	5	15	14	–	98	*20
3	22	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3	23	60	6.7	11.7	7.3	2.2	10	1.4	3.9	.0	5	46	60	4	14	14	–	80	120
3	29	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3	30	60	11.2	10.0	7.3	3.0	17	3.0	7.5	.0	4	50	62	8	60	16	–	80	55
4	5	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	6	60	11.8	9.8	7.3	1.8	15	1.4	4.4	.0	2	49	62	4	35	19	–	82	20
4	12	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	13	60	12.3	10.3	7.4	4.4	15	1.1	4.2	.0	4	50	64	4	15	18	–	104	24
4	19	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	20	60	15.7	10.3	7.5	5.8	19	1.0	1.0	.0	6	52	68	4	10	11	–	94	*20
4	26	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	27	60	16.2	9.2	7.5	3.6	19	1.3	3.0	.0	6	51	70	3	7	12	–	98	*50
5	3	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	4	60	17.9	8.2	7.4	2.1	18	1.6	3.6	.0	4	51	62	5	13	18	–	82	*50
5	10	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	11	60	16.8	7.9	7.5	1.2	27	1.2	3.2	.0	6	56	76	2	12	19	–	112	*10
5	17	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	18	60	17.4	7.7	7.4	1.1	6	1.4	3.0	.0	7	53	72	2	7	23	–	129	*50
5	25	60	20.7	7.2	7.4	2.4	7	1.2	3.4	.0	8	57	70	2	7	19	–	100	–
6	1	60	22.4	7.4	7.5	2.6	9	1.7	4.2	.0	8	57	74	2	7	13	–	111	–
6	8	60	22.5	6.7	7.5	1.6	7	1.2	3.5	.0	9	54	70	2	7	18	–	105	–
6	15	60	23.6	5.8	7.4	1.1	8	1.6	3.9	.0	9	53	70	3	7	17	–	122	–
6	22	60	24.8	5.8	7.4	1.5	7	1.4	3.0	.0	10	51	70	0	7	15	–	116	–
6	29	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
6	29	60	24.1	5.5	7.4	5.1	9	1.4	2.7	.0	2	53	74	3	5	16	–	130	–

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
7	6	60	25.0	5.2	7.4	1.0	7	1.7	3.0	.1	0	53	72	3	7	14	–	110	–
7	13	60	26.0	5.6	7.4	1.4	10	1.6	3.4	.0	0	65	76	3	23	17	–	126	–
7	20	60	29.8	5.0	7.4	2.7	8	1.3	3.4	.0	13	54	78	3	8	17	–	111	–
7	26	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
7	27	60	26.3	4.5	7.3	2.1	7	1.1	3.4	.0	11	55	80	3	7	15	–	110	–
8	2	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
8	3	60	25.2	4.4	7.3	2.1	6	1.3	3.7	.0	12	52	76	0	7	18	–	119	*50
8	9	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8	10	60	26.3	4.7	7.3	3.1	3	1.5	3.9	.0	12	50	80	3	15	16	–	112	12
8	16	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8	17	60	25.8	5.4	7.4	3.7	4	–	–	.0	12	55	80	3	11	17	–	111	*10
8	23	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8	24	60	25.2	5.3	7.4	2.0	11	1.8	4.4	.0	0	60	82	3	20	17	–	122	10
8	29	60	25.2	–	7.4	–	–	–	–	–	0	51	70	3	12	–	–	–	–
8	31	60	–	5.3	–	2.4	6	1.2	3.0	.0	–	–	–	–	–	16	–	115	–
9	–	60	26.2	5.7	7.4	2.0	9	1.4	2.6	.0	11	54	76	3	12	10	–	113	–
9	14	60	24.0	6.0	7.4	2.0	13	1.3	3.0	.0	13	50	70	3	12	11	–	115	–
9	21	60	23.5	6.4	7.4	2.0	22	1.5	2.7	.0	4	43	74	8	20	10	–	148	–
9	28	60	23.0	6.4	7.4	2.2	21	1.7	2.5	.0	17	51	74	6	10	12	–	150	–

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MONTANA

MAJOR BASIN MISSOURI RIVER

SUB BASIN YELLOWSTONE RIVER

STATION LOCATION YELLOWSTONE RIVER NEAR SIDNEY, MONTANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	5	59	11.9	10.1	8.4	-	-	1.4	4.7	-	12	176	276	-	140	202	-	590	-
10	12	59	3.2	12.0	8.3	-	-	1.6	4.4	-	10	182	276	-	260	202	-	554	-
10	20	59	8.8	10.2	8.3	-	-	.4	3.7	-	10	170	272	-	100	202	-	524	-
10	26	59	6.9	10.3	8.3	-	-	.5	-	-	12	168	264	-	1560	180	-	524	-
11	3	59	5.8	10.7	8.4	-	-	.9	4.4	-	12	176	268	-	110	171	-	514	-
11	9	59	2.0	10.9	8.4	-	-	1.4	4.5	-	16	172	258	-	75	223	-	506	-
11	17	59	.0	12.2	8.1	-	-	.9	.5	-	6	200	340	-	35	234	-	676	-
11	23	59	.7	10.2	8.2	-	-	1.7	4.8	-	15	210	350	-	130	143	-	680	-
11	30	59	.0	11.9	8.2	-	-	1.7	3.9	-	15	182	274	-	100	202	-	554	-
12	7	59	.0	10.6	8.3	-	-	1.0	3.9	-	14	176	278	-	100	278	-	582	-
12	14	59	.0	11.5	8.2	-	-	1.6	3.6	-	14	188	302	-	65	234	-	616	-
12	22	59	.0	11.0	8.3	-	-	1.4	3.4	-	13	186	300	-	55	202	-	588	-
12	28	59	.0	11.3	8.3	-	-	2.0	3.2	-	13	200	332	-	30	217	-	632	-
1	4	60	.0	11.2	8.2	-	-	1.5	2.9	-	12	210	326	-	20	234	-	702	-
1	11	60	.0	10.6	8.2	-	-	2.2	-	-	18	212	360	-	25	299	-	782	-
1	19	60	.0	11.4	8.0	-	-	-	-	-	14	220	352	-	25	218	-	702	-
1	25	60	.0	11.2	8.1	-	-	-	-	-	14	212	334	-	20	258	-	692	-
2	1	60	.0	10.5	8.0	-	-	.9	3.9	-	14	210	336	-	40	272	-	700	-
2	8	60	.0	11.1	8.0	-	-	.9	4.4	-	14	178	284	-	50	234	-	564	-
2	15	60	.0	10.9	8.1	-	-	1.9	-	-	14	174	276	-	55	228	-	582	-
2	22	60	.0	11.4	8.2	-	-	1.2	3.2	-	18	178	292	-	35	239	-	666	-
2	29	60	.0	10.7	8.2	-	-	1.2	3.2	-	16	201	314	-	30	261	-	678	-
3	7	60	.0	9.9	8.5	-	-	1.4	3.6	-	18	212	352	-	30	285	-	744	-
3	14	60	.0	9.0	8.1	-	-	1.7	4.4	-	20	214	346	-	85	264	-	722	-
3	21	60	.0	-	7.9	-	-	-	-	-	18	80	124	-	3000	126	-	332	-
3	28	60	8.9	-	8.0	-	-	-	-	-	31	116	234	-	4000	212	-	486	-
4	4	60	10.3	-	8.2	-	-	-	-	-	19	168	290	-	1600	361	-	664	-
4	11	60	12.1	-	8.4	-	-	-	-	-	18	184	312	-	400	272	-	682	-
4	18	60	11.8	9.5	8.5	-	-	1.4	4.9	-	14	156	246	-	500	212	-	548	-
4	25	60	5.9	10.0	8.6	-	-	1.4	-	-	17	154	258	-	250	234	-	582	-
5	2	60	11.5	9.5	8.6	-	-	1.4	-	-	14	166	282	-	60	228	-	588	-
5	9	60	14.4	9.6	8.6	-	-	1.6	4.8	-	11	164	266	-	75	234	-	592	-
5	16	60	17.2	7.2	8.4	-	-	1.9	-	-	13	150	224	-	200	193	-	652	-
5	23	60	18.0	8.5	8.5	-	-	1.8	6.9	-	10	106	140	-	140	123	-	276	-
5	31	60	19.5	8.0	8.4	-	-	2.3	6.9	-	10	116	170	-	400	159	-	398	-
6	6	60	18.6	-	8.6	-	-	-	-	-	12	104	158	-	440	137	-	384	-
6	13	60	18.2	-	8.0	-	-	-	-	-	12	72	102	-	600	239	-	220	-
6	20	60	20.7	-	7.9	-	-	-	-	-	17	76	134	-	1800	106	-	280	-
6	27	60	22.4	7.6	8.2	-	-	1.9	7.1	-	4	96	130	-	440	97	-	276	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MONTANA

MAJOR BASIN MISSOURI RIVER

SUB BASIN YELLOWSTONE RIVER

STATION LOCATION YELLOWSTONE RIVER NEAR SIDNEY, MONTANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	4	60	21.9	8.2	8.3	-	-	1.5	5.9	-	4	96	130	-	380	97	-	276	-
7	11	60	24.6	6.8	8.4	-	-	-	-	-	4	108	150	-	-	-	-	322	400
7	18	60	27.5	7.0	8.4	-	-	2.7	6.9	-	4	122	168	-	180	133	-	372	-
7	25	60	25.7	6.9	8.5	-	-	2.4	6.7	-	4	142	188	-	250	144	-	510	-
8	1	60	26.0	-	8.4	-	-	-	-	-	10	142	198	-	220	202	-	490	-
8	8	60	21.1	7.7	8.8	-	-	2.3	6.5	-	4	126	200	-	250	239	-	544	-
8	15	60	22.1	8.5	8.5	-	-	2.8	-	-	4	164	242	-	60	264	-	600	-
8	22	60	24.1	7.6	8.5	-	-	2.9	7.9	-	6	140	248	-	95	272	-	616	-
8	29	60	18.5	9.3	8.4	-	-	1.9	6.9	-	12	180	278	-	250	264	-	638	-
9	5	60	23.6	-	8.5	-	-	-	-	-	2	164	250	-	35	307	-	630	-
9	12	60	16.3	-	8.5	-	-	-	-	-	5	184	282	-	30	340	-	706	-
9	19	60	17.5	9.4	8.4	-	-	1.7	-	-	5	176	296	-	20	350	-	716	-
9	26	60	14.2	9.8	8.4	-	-	1.9	5.8	-	2	200	330	-	260	350	-	796	-

TRACE ELEMENTS

TRACE ELEMENTS
NATIONAL WATER QUALITY NETWORK
1959–1960

STATION	DATE FROM	DATE TO	CONCENTRATION — MILLIGRAMS PER LITER: ANALYSIS BY WET OR FLAME METHOD B	F	K	Na	Se	ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
ANIMAS RIVER																							
Above Cedar Hill, N. Mex.	8-1-60	9-26-60	1.14	0.38	5.0	37.	0.01*	0.01*	0.07	0.0002*	0.02*	0.001*	0.007*	0.04*	0.01*	0.007	0.007*	0.02*	0.01	0.1	0.01	-	0.007*
APALACHICOLA RIVER																							
at Chattahoochee, Florida	8-1-60	10-3-60	0.08	0.04	1.7	4.	0.01*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS RIVER																							
at Pendleton Ferry, Ark.	11-16-59	1-18-60	0.08	0.11	3.1	66.	0.01*	0.01*	0.1	0.0002*	0.02*	0.009	0.009*	0.04*	0.02*	0.04	0.02	0.02*	0.009*	0.009*	0.01	-	0.009*
	8-1-60	10-17-60	0.23	0.26	4.7	70.	0.01*	0.01*	0.1	0.0002*	0.02*	0.001*	0.009*	0.04*	0.02*	0.02	0.009*	0.02*	0.009*	0.009*	0.001*	-	0.008*
at Ft. Smith, Arkansas	8-1-60		0.15	0.14	3.3	64.	0.01*	0.01*	0.08	0.0002*	0.02*	0.005*	0.01*	0.05*	0.02*	0.1	0.01*	0.02*	0.01*	0.01*	0.001*	-	0.01*
at Ponca City, Oklahoma	11-23-59	1-11-60	0.10	0.40	5.2	225.	0.01*	0.04*	0.3	0.0007*	0.07*	0.03	0.03*	0.1*	0.05*	0.09	0.03*	0.07*	0.03*	0.03*	0.004*	-	0.03*
	8-1-60	9-19-60	0.23	0.04	5.7	125.	0.01*	0.02*	0.07	0.0003*	0.3	0.007*	0.01*	0.07*	0.05*	0.07	0.01*	0.05*	0.01*	0.01*	0.007	-	0.01*
at Coolidge, Kansas	11-16-59	1-11-60	-	-	-	-	-	0.12*	0.08*	0.002*	0.2*	0.04*	0.08*	0.4*	0.16*	0.08*	0.08*	0.2*	0.08*	0.08*	0.01*	-	0.08*
	8-1-60	10-3-60	0.67	0.42	10.7	540.	0.01*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHATTAHOOCHEE RIVER																							
at Columbus, Georgia	11-16-59	1-4-60	0.07	0.10	2.0	8.	0.01*	0.01*	0.009*	0.0002*	0.03	0.02	0.009*	0.04*	0.02*	0.01*	0.009*	0.02*	0.01	0.009*	0.004	-	0.009*
	8-1-60	9-19-60	0.03	0.11	2.0	5.	0.01*	0.002*	0.02	0.0003*	0.05	0.002	0.001*	0.007*	0.003*	0.02	0.001*	0.003*	0.002	0.001*	0.01	0.3*	0.001*
at Atlanta, Georgia	8-1-60	10-3-60	0.02	0.01	1.7	3.	0.01*	0.002*	0.03	0.0003*	0.01	0.003	0.001*	0.007*	0.003*	0.01	0.002	0.003*	0.001	0.001*	0.007	0.3*	0.001*
COLORADO RIVER																							
at Yuma, Arizona	11-16-59	1-25-60	0.14	0.15	5.0	138.	0.01*	0.03	0.09	0.0004*	0.6	0.009*	0.02*	0.09*	0.04*	0.04	0.02*	0.04*	0.04	0.02*	0.003*	-	0.02*
	8-1-60	9-19-60	0.28	0.52	5.0	135.	0.01*	0.03*	0.04	0.0004*	0.04*	0.009*	0.02*	0.09*	0.04*	0.02*	0.02*	0.04*	0.03	0.02*	0.003*	-	0.02*
at Parker Dam, Arizona-California	11-16-59	1-11-60	0.10	0.20	5.0	-	0.01*	0.02*	0.05	0.0003*	0.03*	0.006*	0.01*	0.06*	0.03*	0.03	0.01*	0.03*	0.03	0.01*	0.002*	-	0.01*
	8-1-60	9-19-60	0.21	0.10	4.8	90.	0.01*	0.02*	0.03	0.0005*	0.03*	0.007*	0.01*	0.07*	0.03*	0.03	0.01*	0.03*	0.02	0.01*	0.2	-	0.01*
at Boulder City, Nevada	11-16-59	1-4-60	0.06	0.28	4.4	76.	0.01*	0.02*	0.2	0.0003*	0.2	0.01	0.01*	0.06*	0.02*	0.26	0.01*	0.03*	0.02	0.01*	0.6	-	0.01*
	8-1-60	9-19-60	0.21	0.16	4.5	84.	0.01*	0.02*	0.1	0.0003*	0.03*	0.006*	0.01*	0.06*	0.03*	0.02	0.01*	0.03*	0.02	0.01*	0.006	-	0.01*
at Page, Arizona	11-23-59	1-11-60	-	-	-	-	-	0.08*	0.02	0.0005*	0.05*	0.01	0.02*	0.10	0.04*	0.03	0.02*	0.05*	0.02	0.02*	0.03*	-	0.02*
	8-1-60	9-19-60	0.21	0.56	6.4	135.	0.01*	0.03*	0.2	0.0005*	0.05*	0.01*	0.02*	0.1*	0.04*	0.2	0.02*	0.05*	0.04	0.02*	0.004	-	0.02*
near Lona, Colorado	11-16-59	1-18-60	0.08	0.21	4.6	72.	0.01*	0.03*	0.09	0.0005*	0.05*	0.03	0.02*	0.1*	0.04*	0.03	0.02*	0.05*	0.02	0.02*	0.003*	-	0.02*
	8-1-60	9-19-60	0.23	0.67	6.2	170.	0.01*	0.04*	0.03*	0.0006*	0.06	0.01*	0.03*	0.1*	0.05*	0.04	0.05*	0.06*	0.03*	0.5	0.004*	-	0.03*
COLUMBIA RIVER																							
near Clatskanie, Oregon	11-16-59	1-11-60	-	0.15	1.2	3.	-	0.003	0.007	0.00005*	0.03	0.004	0.002*	0.01*	0.004*	0.2	0.002	0.005*	0.003	0.002*	0.008	1.8*	0.002*
	8-1-60	9-19-60	0.05	0.16	1.7	6.	0.01*	0.003*	0.02	0.00005*	0.05	0.006	0.002*	0.01*	0.004*	0.02	0.002*	0.005*	0.009	0.002*	0.005	0.5*	0.002*
at Dalles Dam, Washington-Oregon	11-23-59	2-27-60	-	0.14	1.2	3.	0.01*	0.004*	0.04	0.00006	0.05	0.01	0.003*	0.01*	0.005*	0.03	0.006	0.006*	0.005	0.005*	0.004	0.8	0.003*
	8-8-60	11-28-60	0.07	0.12	1.7	6.	0.01*	0.009*	0.006*	0.00001*	0.01*	0.003	0.006*	0.03*	0.01*	0.01	0.006*	0.01*	0.006*	0.006*	0.001	-	0.006*
at Pasco, Washington	11-16-59	1-4-60	-	0.15	1.8	8.	-	0.009*	0.006*	0.00002*	0.01*	0.009	0.006*	0.03*	0.01*	0.09	0.01	0.02*	0.009	0.006*	0.01	2.3	0.006*
	8-1-60	9-19-60	0.07	0.06	1.0	3.	0.01*	0.003*	0.02	0.00005*	0.005*	0.003	0.002*	0.01*	0.004*	0.004	0.002*	0.005*	0.003	0.002*	0.002	0.5*	0.002*
at Wenatchee, Washington	11-16-59	1-4-60	-	0.21	1.8	8.	0.01*	0.003*	0.02	0.00005*	0.007	0.005	0.002*	0.01*	0.005	0.3	0.004	0.005*	0.004	0.002*	0.008	0.5*	0.002*
	8-1-60	9-19-60	0.05	0.14	1.0	2.	0.01*	0.003*	0.03	0.0004*	0.004	0.0009*	0.002*	0.009*	0.003*	0.003	0.002*	0.004*	0.002	0.002*	0.004	0.3*	0.002*
CONNECTICUT RIVER																							
above Northfield, Mass.	11-16-59	3-28-60	-	-	-	-	-	0.002	0.06	0.00003*	0.005	0.0006	0.001*	0.006*	0.003*	0.02	0.001*	0.003*	0.003	0.001*	0.03	0.3*	0.001*
	8-15-60		0.10	-	2.0	6.	0.01*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED SEE TEXT FOR EXPLANATION

TRACE ELEMENTS
NATIONAL WATER QUALITY NETWORK
1959–1960

STATION	DATE		CONCENTRATION — MILLIGRAMS PER LITER																				
			ANALYSIS BY WET OR FLAME METHOD					ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD															
	FROM	TO	B	F	K	Na	Se	Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
DELAWARE RIVER																							
at Philadelphia, Pa.	11-16-59	1-11-60	-	0.10	2.0	4.	-	0.002*	0.06	0.00004*	0.008	0.002	0.002*	0.008*	0.003*	0.02	0.003	0.004*	0.002	0.002*	0.004	0.4*	0.002*
	8-1-60	9-19-60	0.07	0.18	2.5	6.	0.01*	0.005*	0.09	0.00005*	0.02	0.0009*	0.002*	0.009*	0.006	0.05	0.007	0.005*	0.007	0.002*	0.08	0.5*	0.002*
at Martins Creek, Pa.	8-1-60	9-19-60	0.07	0.17	1.2	2.	0.01*	0.002*	0.01	0.00003*	0.01	0.0006*	0.001*	0.006*	0.003	0.03	0.001*	0.003*	0.006	0.001*	0.006	0.3*	0.001*
ESCAMBIA RIVER																							
at Century, Florida	8-29-60	11-7-60	0.02	0.12	1.0	7.	0.01*	0.005*	0.02	0.00009*	0.009*	0.002*	0.003*	0.02*	0.2	0.3	0.005	0.009*	0.005*	0.003*	0.009	0.9*	0.005*
GREAT LAKES																							
St. Lawrence River at Massena, New York	8-1-60	9-19-60	0.03	0.22	1.7	10.	0.01*	0.006*	0.02	0.0001*	0.01*	0.008	0.004*	0.02*	0.008*	0.006	0.004*	0.01*	0.006	0.004*	0.002	-	0.004*
Lake Erie at Buffalo, N.Y.	11-16-59	1-18-60	0.04	0.14	1.6	10.	0.01*	0.006*	0.01	0.0001*	-	0.004	0.004*	0.02*	0.008*	0.01	0.004*	0.01*	0.008	0.004*	0.01	-	0.004*
	8-1-60	9-19-60	0.07	0.17	1.9	10.	0.01*	0.004*	0.02	0.00007*	-	0.002*	0.003*	0.02*	0.006*	0.03	0.003*	0.007*	0.006	0.003*	0.24	0.7*	0.003*
Detroit River at Detroit, Michigan	11-16-59	1-4-60	-	0.15	1.5	4.	0.01*	0.004*	0.01	0.00007*	0.01	0.003	0.003*	0.01*	0.006*	0.01	0.003*	0.007*	0.003	0.003*	0.007	0.7*	0.003*
	8-1-60	9-19-60	0.05	0.06	1.7	5.	0.01*	0.004*	0.03	0.00007*	0.009	0.002*	0.003*	0.02*	0.006*	0.007	0.003*	0.007*	0.003	0.003*	0.003	0.7*	0.003*
St. Clair River at Port Huron, Michigan	8-1-60	9-19-60	0.08	0.06	1.2	3.	0.01*	0.004*	0.003*	0.00006*	0.006*	0.001*	0.003*	0.01*	0.005*	0.09	0.003*	0.007*	0.002*	0.002*	0.004*	0.7*	0.003*
Lake Michigan at Milwaukee, Wisconsin	8-15-60	10-16-60	0.08	0.28	1.2	4.	0.01*	0.005*	0.02	0.00008*	0.008*	0.002*	0.003*	0.02*	0.007*	0.007	0.003*	0.008*	0.003	0.003*	0.002	0.8*	0.003*
Lake Michigan at Gary, Indiana	11-16-59	1-18-60	0.03	0.12	1.5	4.	0.01*	0.005*	0.02	0.00009*	0.009*	0.005	0.004*	0.02*	0.007*	0.04	0.004*	0.009*	0.007	0.004*	0.02	0.9*	0.004*
	8-8-60	10-3-60	0.10	0.13	1.2	4.	0.01*	0.005*	0.03	0.00009*	0.009*	0.003	0.003*	0.02*	0.007*	0.007	0.003*	0.009*	0.005	0.003*	0.002	0.8*	0.003*
St. Marys River at Sault Ste. Marie, Mich.	11-16-59	1-4-60	-	-	1.1	2.	-	0.002*	0.01	0.00003*	0.02	0.001	0.001*	0.006*	0.003*	0.02	0.002	0.003*	0.001	0.001*	0.006	0.3*	0.001*
	8-1-60	9-19-60	0.05	0.08	0.5	2.	0.01*	0.002*	0.002	0.0004*	0.008	0.001*	0.002*	0.008*	0.003*	0.008	0.002*	0.004*	0.004	0.002*	0.002	0.4*	0.002*
Lake Superior at Duluth, Minnesota	11-16-59	1-4-60	-	0.10	-	-	-	0.002*	0.006	0.00003*	0.003*	0.001	0.001*	0.006*	0.003*	0.01	0.001*	0.003*	0.002	0.001*	0.004	0.3*	0.001*
	8-1-60	9-26-60	-	-	-	-	-	0.002*	0.001*	0.00003*	0.003	0.0007*	0.001*	0.007*	0.003*	0.07*	0.001*	0.003*	0.002	0.001*	0.0007	0.3*	0.001*
HUDSON RIVER																							
below Poughkeepsie, N.Y.	11-16-59	1-11-60	0.03	0.26	1.5	5.	0.01*	0.004*	0.02	0.00006*	0.006*	0.001*	0.002*	0.01*	0.005*	0.008	0.002*	0.006*	0.002*	0.002*	0.002	0.6*	0.002*
	8-1-60	9-26-60	0.10	0.09	1.2	7.	0.01*	0.003*	0.02	0.00006*	0.06	0.003	0.002*	0.01*	0.004*	0.02	0.002*	0.006*	0.003	0.002*	0.002	0.6*	0.002*
ILLINOIS RIVER																							
at Peoria, Illinois	8-1-60	9-19-60	0.25	0.70	4.5	26.	0.01*	0.01*	0.008	0.0002*	0.02*	0.004*	0.002*	0.04*	0.02*	0.008	0.008*	0.02*	0.01	0.008*	0.02	-	0.006*
KANAWHA RIVER																							
at Winfield Dam, W. Va.	8-1-60	10-3-60	0.08	0.04	2.0	20.	0.01*	0.007*	0.1	0.0001*	0.01*	0.002*	0.004*	0.02*	0.009*	0.02	0.004*	0.01*	0.004*	0.004*	0.001	-	0.004*
MERRIMACK RIVER																							
at Lowell, Massachusetts	11-16-59	8-1-60	-	-	-	-	-	0.002*	0.01	0.00003*	0.005	0.004*	0.001*	0.005*	0.02	0.3	0.001*	0.003*	0.001*	0.001*	0.09	0.85*	0.001*
MISSISSIPPI RIVER																							
at New Orleans, Louisiana	11-16-59	1-18-60	-	0.26	3.0	23.	-	0.008*	0.1	0.0001*	0.01*	0.005	0.005*	0.03*	0.01*	0.05	0.005*	0.01*	0.008	0.005*	0.01	-	0.005*
	8-1-60	9-19-60	0.10	0.26	3.1	22.	0.01*	0.008*	0.02	0.0001*	0.01*	0.003*	0.005*	0.03*	0.01*	0.008	0.005*	0.01*	0.005	0.005*	0.0008	-	0.005*
at Delta, Louisiana (formerly at Vicksburg, Mississippi)	11-16-59	1-25-60	0.05	0.22	3.1	22.	0.01*	0.008*	0.2	0.0001*	0.01*	0.006	0.006*	0.03*	0.01*	0.06	0.006*	0.01*	0.006*	0.006*	0.005	-	0.006*
	8-8-60	11-28-60	0.10	0.29	4.5	30.	0.01*	0.009*	0.09	0.0002*	0.07*	0.003*	0.006*	0.03*	0.01*	0.03	0.006*	0.02*	0.006*	0.006*	0.006	-	0.006*

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN. REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED. SEE TEXT FOR EXPLANATION.

TRACE ELEMENTS
NATIONAL WATER QUALITY NETWORK
1959 – 1960

STATION	DATE		CONCENTRATION — MILLIGRAMS PER LITER																			
			ANALYSIS BY WET OR FLAME METHOD					ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD														
	FROM	TO	B	F	K	Na	Se	Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
MISSISSIPPI RIVER (continued)																							
at West Memphis, Arkansas	11-16-59	1-4-60	0.05	0.13	3.0	18.	0.01*	0.008*	0.1	0.0001*	0.01*	0.005	0.005*	0.03*	0.01*	0.05	0.005*	0.01*	0.005	0.005*	0.001	-	0.005*
	8-1-60	9-19-60	0.10	0.27	4.5	19.	0.01*	0.008*	0.05	0.0001*	0.01*	0.005*	0.005*	0.03*	0.01*	0.05	0.005*	0.01*	0.008	0.005*	0.008	-	0.005*
at Cape Girardeau, Mo.	11-16-59	1-4-60	-	0.32	3.8	18.	0.01*	0.01*	0.1	0.0002*	0.02*	0.007	0.007*	0.03*	0.01*	0.02	0.007*	0.02*	0.01	0.007*	0.007	-	0.007*
	8-1-60	9-26-60	0.09	0.32	3.3	25.	0.01*	0.01*	0.1	0.0002*	0.02*	0.005*	0.007*	0.03*	0.01*	0.1	0.007*	0.02*	0.007*	0.007*	0.001*	-	0.007*
at East St. Louis, Ill.	11-16-59	1-4-60	0.05	0.65	3.1	12.	0.01*	0.009*	0.05	0.0002*	0.02*	0.009	0.006*	0.03*	0.01*	0.06	0.006*	0.02*	0.009	0.006*	0.005	-	0.006*
	8-1-60	9-19-60	0.11	0.34	3.1	12.	0.01*	0.008*	0.06	0.0001*	0.01*	0.005*	0.006*	0.03*	0.01*	0.05	0.006*	0.01*	0.008	0.006*	0.0008*	-	0.006*
at Burlington, Iowa	11-16-59	1-18-60	-	0.18	2.3	6.	-	0.007*	0.07	0.0001*	0.01*	0.007	0.005*	0.02*	0.01*	0.01	0.005*	0.01*	0.005	0.005*	0.2	-	0.005*
	8-1-60	-	0.09	0.16	2.6	8.	0.01*	0.01*	0.02	0.0002*	0.10	0.003*	0.006*	0.03*	0.01*	0.2	0.006*	0.02*	0.006*	0.006*	0.05	-	0.006*
at Dubuque, Iowa	11-23-59	2-15-60	-	0.22	2.3	6.	0.31*	0.006*	0.08	0.0001*	0.01*	0.006	0.004*	0.02*	0.008*	0.02	0.004*	0.01*	0.004*	0.004*	0.02	-	0.004*
	8-8-60	10-10-60	0.13	0.15	2.2	6.	0.01*	0.006*	0.04	0.0001*	0.01	0.002*	0.004*	0.02*	0.008*	0.06	0.04*	0.01*	0.004*	0.004*	0.008	-	0.004*
at Lock and Dam #1 (below Minneapolis, Minnesota	11-16-59	1-4-60	0.10	0.10	2.5	11.	0.01*	0.008*	0.03	0.0001*	0.2	0.01	0.005*	0.03*	0.01*	0.01	0.005*	0.01*	0.008	0.005*	0.05	-	0.005*
	8-1-60	9-19-60	0.10	0.24	2.7	11.	0.01*	0.007*	0.05	0.0001*	0.05	0.003*	0.005*	0.02*	0.01*	0.05	0.005*	0.01*	0.007	0.005*	0.01	-	0.005*
MISSOURI RIVER																							
at St. Louis, Missouri	11-16-59	1-4-60	-	-	-	-	-	0.01*	0.2	0.0002*	0.02*	0.003*	0.006*	0.03*	0.01*	0.2	0.006*	0.02*	0.01	0.006*	0.01	-	0.006*
	8-1-60	9-19-60	0.11	0.40	6.2	38.	0.01*	0.01*	0.2	0.0002*	0.32*	0.004*	0.008*	0.04*	0.02*	0.01	0.008*	0.02*	0.01	0.008*	0.008	-	0.008*
at Kansas City, Kansas	11-16-59	1-11-60	0.10	0.18	5.7	55.	0.01*	0.02*	0.2	0.0003*	0.03*	0.01	0.01*	0.05*	0.02*	0.03	0.01*	0.03*	0.02	0.01*	0.01	-	0.01*
	8-1-60	9-19-60	0.12	0.16	6.2	42.	0.01*	0.01*	0.1	0.0002*	0.03	0.004*	0.008*	0.04*	0.02*	0.02	0.008*	0.02*	0.02	0.008*	0.008	-	0.008*
at St. Joseph, Missouri	11-16-59	1-11-60	0.11	0.19	5.9	98.	0.01*	0.01*	0.2	0.0002*	0.02*	0.009	0.009*	0.05*	0.02*	0.02	0.009*	0.02*	0.01	0.009*	0.001*	-	0.009*
	8-15-60	10-13-60	0.10	0.12	6.0	44.	0.01*	0.01*	0.08	0.0002*	0.02*	0.003*	0.008*	0.04*	0.02*	0.01	0.008*	0.02*	0.01	0.008*	0.01	-	0.008*
at Omaha, Nebraska	11-16-59	1-4-60	0.14	0.75	5.5	60.	0.01*	0.01*	0.1	0.0002*	0.02*	0.04	0.01*	0.05*	0.02*	0.05	0.01*	0.02*	0.02	0.01*	0.005	-	0.01*
	8-1-60	9-19-60	0.05	0.58	5.0	45.	0.01*	0.01*	0.1	0.0002*	0.02*	0.004*	0.008*	0.04*	0.02*	0.03	0.008*	0.02*	0.02	0.008*	0.001*	-	0.008*
at Yankton, South Dakota	11-16-59	1-11-60	0.08	0.71	5.2	52.	0.01*	0.01*	0.09	0.0002*	0.09	0.009	0.009*	0.04*	0.02*	0.01	0.009*	0.02*	0.02	0.009*	0.001	-	0.009*
	8-1-60	9-19-60	0.14	0.59	4.0	50.	0.01*	0.01*	0.04	0.0002*	0.02*	0.004*	0.008*	0.04*	0.02*	0.03	0.008*	0.02*	0.01	0.008*	0.4	-	0.008*
at Bismarck, North Dakota	11-16-59	1-11-60	0.09	0.18	3.8	52.	0.01*	0.01*	0.08	0.0032*	0.02*	0.008	0.008*	0.04*	0.08	0.2	0.008*	0.02*	0.008	0.008*	0.02	-	0.008*
at Williston, North Dakota	12-7-59	1-25-60	-	0.80	4.2	60.	0.01*	0.02*	0.05	0.0003*	0.03*	0.005*	0.01*	0.05*	0.02*	0.2	0.01*	0.03*	0.01*	0.01*	0.002*	-	0.01*
	8-1-60	9-26-60	0.16	0.67	3.7	54.	0.01*	0.01*	0.03	0.0002*	0.02*	0.004*	0.009*	0.04*	0.02*	0.009	0.009*	0.02*	0.01	0.009*	0.001*	-	0.009*
OHIO RIVER																							
at Cairo, Illinois	11-16-59	1-4-60	0.02	0.23	3.1	16.	0.01*	0.008*	0.08	0.0001*	0.01*	0.008	0.005*	0.03*	0.01*	0.02	0.005*	0.01*	0.008	0.005*	0.01	-	0.005*
	8-1-60	9-19-60	0.04	0.19	2.3	11.	0.01*	0.005*	0.09	0.0001*	0.01*	0.002*	0.004*	0.02*	0.007*	0.005	0.004*	0.01*	0.005	0.004*	0.004	0.9*	0.004*
at Evansville, Indiana	8-1-60	10-17-60	0.09	0.28	3.1	20.	0.01*	0.008*	0.05	0.0001*	0.01*	0.003*	0.005*	0.03*	0.01*	0.01	0.005*	0.01*	0.008	0.005*	0.008*	-	0.005*
at Cincinnati, Ohio	11-16-59	1-4-60	0.06	0.19	2.5	13.	0.01*	0.006*	0.2	0.0001*	0.02	0.004	0.004*	0.02*	0.008*	0.04	0.004*	0.01*	0.004*	0.004*	0	-	0.004*
	8-1-60	9-19-60	0.10	0.30	3.5	28.	0.01*	0.009*	0.1	0.0002*	0.02*	0.003*	0.006*	0.03*	0.01*	0.009	0.006*	0.02*	0.006*	0.006*	0.00	-	0.006*
at Huntington, West Virginia	11-16-59	1-4-60	0.04	0.17	2.5	13.	0.01*	0.006*	0.1	0.0001*	0.01*	0.004	0.004*	0.02*	0.008*	0.04	0.004*	0.01*	0.004*	0.004*	0.004	-	0.004*
	8-1-60	9-19-60	0.10	0.33	3.5	28.	0.01*	0.009*	0.09	0.0002*	0.02*	0.003*	0.006*	0.03*	0.01*	0.009	0.006*	0.02*	0.01	0.006*	0.01	-	0.006*
at East Liverpool, Ohio	11-16-59	1-18-60	0.05	0.16	2.5	8.	0.01*	0.005*	0.08	0.00008*	0.008*	0.002*	0.003*	0.02*	0.005*	0.03	0.003*	0.008*	0.005	0.003*	0.003	0.8*	0.003*
	8-1-60	10-3-60	0.10	0.54	3.8	27.	0.01*	0.009*	0.02	0.0002*	0.02*	0.003*	0.006*	0.03*	0.01*	0.009	0.006*	0.02*	0.006*	0.006*	0.001*	-	0.006*
POTOMAC RIVER																							
at Great Falls, Maryland	11-16-59	1-4-60	-	0.10	2.5	5.	0.01*	0.004*	0.03	0.00007*	0.007*	0.003	0.003*	0.01*	0.005*	0.03	0.003*	0.007*	0.003*	0.003*	0.004	0.7*	0.003*
	8-1-60	9-26-60	0.01	0.18	3.0	8.	0.01*	0.005*	0.04	0.00006*	0.009*	0.002*	0.004*	0.02*	0.007*	0.005	0.004*	0.009*	0.004*	0.004*	0.002	0.9*	0.004*
at Williamsport, Maryland	11-23-59	1-18-60	-	0.10	1.8	5.	0.01*	0.004*	0.05	0.0006*	0.006*	0.001	0.003*	0.01*	0.005*	0.03	0.003*	0.006*	0.003*	0.003*	0.005	0.6*	0.003*
	8-1-60	11-7-60	0.01	0.16	2.3	10.	0.01*	0.006*	0.06	0.0001*	0.01*	0.002*	0.004*	0.02*	0.008*	0.008	0.004*	0.01*	0.004*	0.004*	0.0006*	-	0.004*

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN. REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED. SEE TEXT FOR EXPLANATION.

TRACE ELEMENTS
NATIONAL WATER QUALITY NETWORK
1959–1960

STATION	DATE		CONCENTRATION — MILLIGRAMS PER LITER																			
			ANALYSIS BY WET OR FLAME METHOD					ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD														
	FROM	TO	B	F	K	Na	Se	Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
RED RIVER (North) at Grand Forks, North Dakota	9-5-60	11-28-60	0.10	0.31	5.7	17.	0.01*	0.01*	0.05	0.0002*	0.02*	0.004*	0.007*	0.04*	0.01*	0.04	0.007*	0.02*	0.007*	0.007*	0.001*	-	0.007*
RED RIVER (South) at Alexandria, La.	11-16-59	2-1-60	0.07	0.12	3.7	72.	0.01*	0.01*	0.2	0.0002*	0.02*	0.01	0.01*	0.05*	0.02*	0.04	0.01*	0.02*	0.01	0.01*	0.01	-	0.01*
	8-3-60	10-17-60	0.11	0.34	3.8	110.	0.01*	0.02*	0.1	0.0005*	0.05*	0.006*	0.01*	0.06*	0.05*	0.04	0.01*	0.03*	0.01*	0.01*	0.008*	-	0.01*
at Index, Arkansas	11-16-59	1-11-60	0.07	0.20	4.4	108.	0.01*	0.02*	0.2	0.0004*	0.05	0.01	0.01*	0.07*	0.05*	0.06	0.01*	0.04*	0.01*	0.01*	0.01	-	0.01*
	8-1-60	9-19-60	0.10	0.32	4.0	125.	0.01*	0.02*	0.2	0.0004*	0.04*	0.008*	0.02*	0.08*	0.05*	0.4	0.04	0.04*	0.02*	0.02*	0.07	-	0.02*
at Denison, Texas	11-16-59	1-4-60	0.05	0.36	5.5	202.	0.01*	0.03*	0.3	0.0006*	0.2	0.02	0.02*	0.1*	0.05*	0.09	0.02*	0.06*	0.03	0.02*	0.009	-	0.02*
	8-1-60	9-19-60	0.20	0.39	5.0	202.	0.01*	0.04*	0.2	0.005*	0.06*	0.01*	0.02*	0.1*	0.05*	0.04	0.02*	0.05*	0.02*	0.02*	0.008	-	0.02*
RIO GRANDE at Brownsville, Texas	11-16-59	2-1-60	0.14	0.56	5.2	165.	0.01*	0.03*	0.02*	0.0005*	0.05*	0.02	0.02*	0.1*	0.04*	0.02*	0.02*	0.05*	0.08*	0.02*	0.005*	-	0.02*
	8-1-60	10-10-60	0.06	0.68	6.2	40.	0.01*	0.03*	0.06	0.0006*	0.2	0.01*	0.02*	0.1*	0.04*	0.05	0.02*	0.05*	0.05	0.02*	0.01	-	0.02*
at Laredo, Texas	11-16-59	1-4-60	0.01	0.62	3.7	84.	0.01*	0.02*	0.04	0.0003*	0.03*	0.01	0.01*	0.06*	0.02*	0.08	0.01*	0.03*	0.02	0.01*	0.004	-	0.01*
	8-1-60	9-19-60	0.14	0.92	5.0	60.	0.01*	0.02*	0.3	0.0005*	0.03*	0.005*	0.01*	0.05*	0.02*	0.02	0.01*	0.03*	0.03	0.01*	0.002	-	0.01*
at El Paso, Texas	8-1-60	9-19-60	0.25	0.68	8.0	125.	0.01*	0.03*	0.4	0.0004*	0.04*	0.008*	0.02*	0.08*	0.03*	0.3	0.02*	0.04*	0.03	0.02*	0.008	-	0.02*
SABINE RIVER at Ruliff, Texas	8-1-60	9-19-60	0.06	0.14	2.7	28.	0.01*	0.005*	0.08	0.00008*	0.008*	0.002*	0.005*	0.02*	0.05	1.4	0.005	0.008*	0.005*	0.005*	0.01	0.8*	0.005*
SAVANNAH RIVER at Fort Wentworth, Georgia	11-16-59	1-4-60	-	-	-	-	-	0.002*	0.005	0.00005*	0.005*	0.002	0.001*	0.005*	0.002*	0.05	0.001*	0.005*	0.001*	0.001*	0.004	0.25*	0.001*
	8-1-60	9-19-60	0.4	0.10	1.2	5.	0.01*	0.001*	0.02	0.00002*	0.01	0.0001*	0.0008*	0.001*	0.005	0.3	0.03	0.002*	0.001	0.0008*	0.04	0.2*	0.0005*
at North Augusta, South Carolina	11-16-59	1-18-60	-	-	-	-	-	0.002*	0.005	0.00005*	0.004	0.002	0.001*	0.005*	0.05	0.05	0.001*	0.003*	0.002	0.001*	0.08	0.25*	0.001*
	8-1-60	9-19-60	0.30	0.05	1.2	4.	0.01*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCHUYLKILL RIVER at Philadelphia, Pa.	8-1-60	10-21-60	0.03	0.21	3.1	12.	0.01*	0.007*	0.02	0.0001*	0.02	0.01	0.005*	0.02*	0.009*	0.02	0.01	0.01*	0.005*	0.005*	0.009	-	0.005*
SNAKE RIVER at Wawawai, Washington	11-16-59	1-4-60	0.03	0.15	2.9	22.	0.01*	0.006*	0.006	0.0001*	0.01*	0.008	0.001*	0.02*	0.008*	0.008	0.001*	0.01*	0.008	0.001*	0.001	-	0.001*
	8-1-60	9-26-60	0.04	0.16	3.3	24.	0.01*	0.006*	0.1	0.0001*	0.01	0.004	0.001*	0.02*	0.008*	0.04	0.001*	0.01*	0.01	0.001*	0.001	-	0.001*
at Weiser, Idaho	8-1-60	9-19-60	0.08	0.65	6.0	50.	0.01*	0.01*	0.07	0.0002*	0.1	0.02	0.007*	0.04*	0.01*	0.1	0.02	0.02*	0.02	0.007*	0.007	-	0.007*
SUSQUEHANNA RIVER at Conowingo, Maryland	8-1-60	9-19-60	0.06	0.14	2.2	6.	0.01*	0.006*	0.06	0.00009*	0.009	0.002*	0.001*	0.02*	0.007*	0.06	0.001*	0.009*	0.006	0.001*	0.006	0.9*	0.001*
at Sayre, Pennsylvania	8-1-60	9-26-60	0.05	0.09	1.9	8.	0.01*	0.001*	0.03	0.00007*	0.007*	0.006	0.005*	0.001*	0.07	0.1	0.005	0.007*	0.003*	0.005*	0.001	0.7*	0.005*
TENNESSEE RIVER at Chattanooga, Tennessee	11-16-59	1-4-60	0.00	0.0	1.6	8.	0.01*	0.001*	0.03	0.00007*	0.01	0.001	0.005*	0.01*	0.001*	0.03	0.005*	0.007*	0.001	0.005*	0.01	0.7*	0.005*
	8-1-60	9-26-60	0.01	0.14	1.7	7.	0.01*	0.001*	0.008	0.00006*	0.01	0.001*	0.002*	0.01*	0.005*	0.01	0.002*	0.006*	0.002*	0.002*	0.002	0.6*	0.008*
YELLOWSTONE RIVER at Sidney, Montana	11-16-59	1-13-60	0.11	0.50	4.4	78.	0.01*	0.02*	0.05	0.0003*	0.03*	0.01	0.01*	0.06*	0.02*	0.02	0.01*	0.03*	0.01*	0.01*	0.003	-	0.01*
	8-1-60	9-19-60	0.14	0.61	4.5	82.	0.01*	0.02*	0.2	0.0003*	0.1	0.006*	0.01*	0.06*	0.02*	0.06	0.01*	0.03*	0.01	0.01*	0.002	-	0.01*

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN. REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED. SEE TEXT FOR EXPLANATION.

STREAM FLOW DATA

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Cedar Hill, New Mexico
Operated by U.S. Geological Survey

STATE New Mexico

MAJOR BASIN Colorado

SUB BASIN San Juan River

STATION LOCATION Animas River at
Cedar Hill, New Mexico

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.705	.572	.319	.170	.210	.228	1.210	.933	3.030	1.880	.608	.230
2	.620	.670	.304	.150	.210	.220	1.010	.854	4.190	1.690	.584	.277
3	.441	.710	.286	.160	.220	.210	.906	.838	4.840	1.600	.525	.305
4	.402	.586	.272	.160	.210	.215	.978	.854	5.240	1.500	.480	.288
5	.366	.558	.266	.170	.200	.231	1.250	.888	4.280	1.340	.456	.270
6	.371	.435	.237	.180	.210	.257	1.610	.870	4.130	1.280	.451	.258
7	.379	.426	.234	.190	.220	.297	1.810	.870	3.620	1.190	.428	.258
8	.366	.447	.257	.200	.250	.354	1.960	1.010	3.210	1.170	.407	.258
9	.358	.430	.257	.210	.286	.367	2.190	1.150	3.310	1.120	.399	.261
10	.349	.441	.254	.220	.242	.501	2.480	1.560	3.110	1.070	.395	.252
11	.349	.441	.257	.230	.228	.489	2.680	2.280	3.010	1.010	.387	.235
12	.397	.441	.251	.230	.215	.595	2.680	3.230	2.650	.956	.347	.227
13	.426	.426	.239	.220	.215	.830	2.260	4.210	2.480	.898	.326	.224
14	.430	.412	.251	.210	.215	.840	1.900	3.900	3.350	.856	.319	.240
15	.412	.384	.257	.200	.210	.544	1.860	3.520	3.520	.828	.316	.264
16	.407	.371	.242	.200	.210	.428	1.860	3.540	3.540	.776	.305	.319
17	.407	.384	.242	.200	.210	.391	1.750	2.900	4.190	.764	.288	.330
18	.388	.375	.242	.190	.200	.505	1.670	2.900	4.620	.746	.274	.347
19	.375	.388	.237	.170	.210	.809	1.810	2.520	4.190	.710	.264	.361
20	.375	.371	.234	.185	.237	.971	1.930	2.000	3.930	.710	.258	.372
21	.375	.354	.234	.210	.210	1.090	2.120	1.730	3.790	.686	.252	.364
22	.371	.345	.248	.230	.210	1.200	2.650	1.980	3.400	.650	.258	.340
23	.362	.330	.251	.220	.200	1.220	2.590	2.680	2.920	.614	.274	.333
24	.362	.334	.234	.210	.200	1.240	2.230	3.060	2.470	.596	.280	.326
25	.371	.341	.257	.200	.200	1.340	1.800	2.500	2.350	.584	.267	.302
26	.375	.341	.283	.200	.223	1.440	1.570	2.090	2.260	.566	.255	.294
27	.407	.312	.257	.210	.223	1.580	1.410	2.640	2.200	.550	.252	.284
28	.407	.304	.234	.210	.210	1.540	1.350	2.770	2.030	.535	.246	.267
29	.430	.301	.212	.210	.218	1.350	1.250	3.130	2.010	.515	.237	.258
30	.704	.297	.220	.210		1.210	1.040	2.980	2.010	.530	.230	.252
31	.840		.200	.200		1.310		2.950		.680	.219	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Chattahoochee, Florida
Operated by U.S. Geological Survey

STATE: Florida

MAJOR BASIN: Southeast

SUB BASIN: Apalachicola River

STATION LOCATION: Apalachicola River at Chattahoochee, Florida

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	8.960	33.200	15.700	18.700	38.600	41.700	62.500	25.900	18.900	13.700	12.900	12.700
2	8.620	26.400	16.000	16.900	46.200	41.000	74.200	25.100	18.700	13.300	12.900	11.900
3	9.470	21.400	17.400	18.200	51.000	44.100	87.700	25.100	19.900	13.300	12.300	11.900
4	8.790	21.200	16.700	18.700	52.500	45.500	92.400	23.700	18.400	13.700	12.100	11.900
5	8.110	21.700	13.700	20.200	41.300	47.700	107.000	24.000	14.500	12.900	13.100	11.300
6	8.110	23.200	13.700	20.200	44.800	46.600	130.000	23.200	13.300	12.900	12.900	10.200
7	8.280	20.900	13.100	20.200	52.100	44.100	147.000	21.700	12.300	13.100	12.700	9.810
8	9.300	19.700	12.700	25.400	53.600	40.400	154.000	21.900	13.700	11.900	12.300	11.000
9	8.620	19.200	12.900	34.100	48.100	38.300	137.000	21.900	12.700	13.500	11.300	12.900
10	8.960	16.400	13.100	31.400	41.000	39.800	110.000	29.400	11.900	15.200	9.810	13.300
11	12.500	15.700	13.100	30.200	41.700	42.400	78.200	29.600	13.300	16.000	10.500	13.700
12	12.900	17.900	13.300	26.200	42.400	40.700	66.500	26.200	12.900	14.100	11.700	11.000
13	13.300	14.300	14.100	24.000	49.900	38.900	65.900	23.700	12.300	12.900	13.300	10.700
14	15.700	12.700	16.000	25.400	52.800	38.000	56.800	25.400	13.100	14.500	15.000	9.980
15	18.400	12.900	17.200	24.500	53.200	41.000	51.700	21.400	14.100	17.200	17.700	11.300
16	19.200	13.100	18.400	27.200	54.400	40.100	46.600	19.200	12.300	17.200	16.700	9.470
17	19.900	13.700	18.700	25.400	54.000	41.300	41.300	18.400	12.100	15.500	16.200	9.130
18	19.900	13.700	19.700	25.900	52.500	43.800	40.700	17.900	12.500	13.100	16.700	8.960
19	20.200	13.900	20.400	32.600	50.600	41.700	37.400	19.900	13.900	11.500	16.200	10.300
20	20.200	18.700	20.200	35.300	47.300	42.000	35.900	19.200	12.500	11.300	14.100	10.300
21	20.400	11.200	19.900	37.400	46.200	39.500	40.100	19.200	12.100	11.200	12.900	8.960
22	19.900	9.640	19.400	32.900	46.600	37.400	37.700	16.700	12.100	11.500	12.900	8.790
23	19.900	8.960	19.400	30.200	47.000	36.200	38.300	15.500	12.100	12.100	12.900	9.300
24	19.900	9.130	19.400	29.600	49.200	34.700	36.500	14.800	12.500	11.300	12.900	9.980
25	19.200	13.500	19.400	28.800	49.900	33.200	34.100	13.100	13.500	11.300	13.900	12.100
26	16.900	14.100	19.400	28.600	50.300	32.300	33.500	15.500	15.500	11.300	14.300	20.700
27	16.700	15.000	19.400	28.000	52.500	30.200	32.900	17.700	16.200	11.500	14.300	17.900
28	16.900	14.800	19.400	26.200	51.400	29.900	33.200	16.000	12.300	11.900	15.500	15.200
29	17.200	15.000	19.200	24.800	44.100	29.600	31.400	16.400	11.700	12.100	15.700	16.200
30	21.400	15.700	17.400	28.000		37.700	26.700	14.100	12.500	12.700	12.700	18.400
31	33.500		17.700	32.600		53.200		13.100		12.700	12.700	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Little Rock, Arkansas
Operated by U.S. Geological Survey

STATE Arkansas

MAJOR BASIN Southwest-Lower Mississippi River

SUB BASIN Arkansas River-Van Buren to Mouth

STATION LOCATION Arkansas River at
Pendleton Ferry, Arkansas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	81.700	40.500	15.400	86.300	32.100	37.000	58.300	24.500	52.700	32.100	81.700	53.500
2	76.300	36.300	16.800	73.600	30.000	37.700	52.700	27.500	60.100	32.100	69.100	66.400
3	77.200	32.800	16.800	64.600	28.700	35.600	49.600	46.800	85.300	27.500	46.800	60.100
4	101.000	31.400	16.800	57.500	28.700	37.700	47.500	59.200	99.400	23.300	38.400	48.900
5	168.000	63.800	18.300	52.700	34.900	39.800	46.100	54.300	90.300	22.100	34.200	41.900
6	255.000	98.200	18.300	48.900	44.000	38.400	45.400	55.100	77.200	25.700	31.400	36.300
7	307.000	128.000	17.800	44.000	58.300	37.000	44.700	112.000	70.900	23.300	28.100	31.400
8	331.000	123.000	17.800	44.000	79.900	34.900	43.300	180.000	62.800	18.800	27.500	26.300
9	345.000	98.200	19.300	44.700	88.300	32.800	40.500	192.000	55.900	18.800	25.100	22.100
10	348.000	83.500	19.300	44.700	85.300	33.500	38.400	182.000	55.900	23.900	18.800	20.900
11	340.000	73.600	23.900	46.800	88.300	34.900	35.600	170.000	59.200	23.300	14.500	18.300
12	306.000	63.700	35.600	48.900	87.300	38.400	32.800	164.000	57.500	30.000	12.800	15.000
13	240.000	53.500	48.900	49.600	75.400	41.900	30.700	150.000	60.100	32.100	15.000	13.600
14	192.000	46.800	43.300	56.700	64.600	51.900	28.700	129.000	58.300	26.300	16.800	13.200
15	173.000	42.600	37.000	79.900	55.100	64.600	28.700	104.000	55.100	21.500	17.300	13.200
16	163.000	39.100	36.300	117.000	50.300	70.900	29.300	83.500	57.500	27.500	15.600	12.100
17	157.000	35.600	39.100	116.000	45.400	76.300	40.500	68.200	58.300	33.500	15.000	11.800
18	153.000	32.800	46.100	106.000	42.600	84.400	82.600	57.500	56.700	37.700	15.000	10.800
19	149.000	30.700	61.000	98.200	46.100	89.300	91.400	51.900	56.700	34.200	16.300	11.400
20	146.000	29.300	88.300	89.300	48.200	93.600	83.500	72.700	51.900	23.300	19.800	13.200
21	142.000	27.500	107.000	81.700	48.900	93.600	78.100	179.000	46.100	16.800	23.300	13.200
22	139.000	25.700	106.000	77.200	48.900	85.300	70.000	242.000	38.400	15.000	21.500	12.400
23	131.000	24.500	93.600	71.800	46.800	74.500	61.900	261.000	32.100	16.300	18.800	11.100
24	120.000	23.900	82.600	63.700	43.300	65.500	56.700	240.000	30.700	17.800	16.300	11.400
25	106.000	22.100	75.400	57.500	37.700	59.200	50.300	199.000	30.000	23.300	15.000	11.800
26	95.000	20.900	67.300	51.900	37.700	57.500	44.700	161.000	30.000	74.500	18.800	11.100
27	90.000	20.900	62.800	45.400	36.300	58.300	39.100	132.000	38.400	110.000	25.700	10.800
28	83.000	19.800	68.200	39.100	34.900	58.300	33.500	112.000	41.200	120.000	27.500	10.200
29	70.900	18.800	77.200	37.000	35.600	58.300	31.400	90.300	37.000	107.000	28.700	8.810
30	56.700	16.800	82.600	35.600		61.000	26.900	70.000	32.800	101.000	25.700	8.060
31	46.100		94.700	34.200		62.800		58.300		89.300	25.700	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Van Buren, Arkansas
Operated by U.S. Geological Survey

STATE: Arkansas

MAJOR BASIN: Southwest-Lower Mississippi River

SUB BASIN: Arkansas River, Tulsa to Van Buren

STATION LOCATION: Arkansas River near Fort Smith, Arkansas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	78.000	28.200	14.600	42.600	20.300	22.500	45.600	49.600	76.500	14.600	37.200	57.400
2	105.000	25.800	16.000	37.200	19.200	25.800	44.000	50.400	94.000	13.300	32.400	45.600
3	137.000	26.400	15.500	36.600	19.800	24.200	42.600	43.300	79.800	12.500	31.800	37.900
4	258.000	44.800	14.600	30.000	23.000	23.000	41.900	39.200	65.000	9.420	28.200	33.000
5	342.000	106.000	15.000	24.700	40.500	23.000	40.500	43.300	57.400	9.120	26.400	25.800
6	394.000	122.000	16.000	27.600	70.000	19.800	38.600	128.000	47.200	10.000	25.200	20.300
7	417.000	96.400	15.000	25.800	75.400	16.000	36.000	171.000	44.000	19.800	18.600	18.600
8	394.000	79.800	14.600	25.800	69.000	15.000	33.600	178.000	48.800	17.000	12.500	16.500
9	332.000	70.000	13.300	28.800	78.700	17.000	30.000	158.000	52.000	24.200	10.700	12.100
10	264.000	55.600	12.900	31.800	76.500	19.800	28.200	156.000	51.200	31.200	13.700	11.800
11	198.000	43.300	12.500	30.600	62.000	24.200	25.800	141.000	56.500	24.200	15.000	10.700
12	164.000	38.600	12.100	31.200	51.200	41.200	25.800	118.000	53.800	18.600	16.500	11.400
13	157.000	36.000	12.100	49.600	43.300	48.800	25.800	90.400	50.400	24.200	13.700	9.720
14	155.000	32.400	10.400	82.000	40.500	44.800	25.800	67.000	60.100	31.800	13.300	9.720
15	152.000	30.000	10.400	75.200	33.600	51.200	41.200	52.000	57.400	33.600	13.300	8.040
16	150.000	27.000	15.500	63.000	34.800	61.000	89.200	44.000	61.000	36.000	14.200	9.420
17	147.000	26.400	27.600	56.500	36.600	67.000	86.800	37.900	58.300	23.600	17.600	11.800
18	141.000	25.200	59.200	55.600	38.600	75.400	77.600	41.200	52.000	15.500	22.000	11.800
19	138.000	23.000	86.800	51.200	39.800	77.600	69.000	97.600	43.300	13.300	18.600	9.720
20	137.000	22.000	86.800	50.400	39.200	70.000	59.200	200.000	34.800	14.200	16.500	8.040
21	130.000	21.400	74.300	46.400	36.600	58.300	50.400	240.000	32.400	15.500	13.700	9.120
22	119.000	19.800	62.000	43.300	28.800	49.600	46.400	216.000	31.800	13.700	12.900	9.120
23	104.000	18.100	54.700	40.500	26.400	48.000	39.800	168.000	29.400	25.800	16.500	8.300
24	91.600	18.100	47.200	36.600	26.400	48.800	34.800	125.000	29.400	88.000	25.200	7.800
25	88.000	17.600	41.900	27.600	24.200	49.600	29.400	102.000	28.800	110.000	24.200	7.120
26	79.800	16.500	37.200	24.200	23.600	50.400	27.000	94.000	22.500	121.000	27.600	5.710
27	67.000	15.000	37.200	24.700	23.600	51.200	23.000	76.000	16.500	108.000	23.600	5.350
28	48.800	12.900	54.700	23.600	24.200	55.600	18.600	53.000	14.600	101.000	21.400	7.560
29	38.600	14.600	71.000	23.600	22.500	56.500	15.500	46.000	19.200	89.200	34.800	8.040
30	34.200	14.600	59.200	22.500		50.400	24.200	45.000	17.000	71.000	65.000	7.800
31	31.200		47.200	22.000		46.400		50.500		51.200	68.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Ralston, Oklahoma
Operated by U.S. Geological Survey

STATE: Oklahoma

MAJOR BASIN: Southwest-Lower Mississippi

SUB BASIN: Ark. River, Kans-Colo Line to Tulsa

STATION LOCATION: Arkansas River near Ponca City, Oklahoma

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	12.800	5.150	3.000	4.650	4.400	3.000	16.000	4.000	13.000	3.200	6.070	17.400
2	51.200	5.280	2.900	4.000	4.100	3.000	13.800	5.020	9.200	3.100	7.000	11.200
3	92.700	5.650	2.800	3.800	4.000	3.200	11.000	6.320	7.150	2.710	4.780	7.900
4	132.000	6.190	2.800	3.500	4.380	3.200	10.600	5.030	6.190	5.930	3.500	6.730
5	155.000	5.650	2.710	3.400	6.460	3.300	9.900	4.780	5.520	8.850	2.900	5.920
6	143.000	5.280	2.710	3.300	13.600	3.300	8.200	5.280	4.900	16.400	2.620	5.020
7	95.000	5.020	2.620	3.200	16.400	3.400	7.450	12.200	5.520	14.200	2.280	4.200
8	48.400	4.780	2.620	3.000	14.200	3.400	7.000	23.600	7.600	8.280	2.280	3.600
9	28.300	4.650	2.620	2.800	13.000	3.400	6.730	20.200	8.850	7.300	2.200	3.100
10	22.000	4.400	2.540	2.710	10.600	5.920	6.320	13.400	9.200	8.680	3.300	2.800
11	18.800	4.300	2.540	2.900	9.550	7.000	5.920	10.200	7.150	9.200	6.730	3.230
12	16.900	4.200	2.450	3.100	8.680	8.050	5.650	8.350	8.490	7.750	6.860	6.660
13	15.500	4.200	2.450	3.100	7.900	8.500	5.400	6.860	13.800	5.400	6.060	6.730
14	27.900	4.100	2.360	3.240	7.150	9.550	5.650	6.190	12.600	4.100	4.400	5.210
15	38.600	4.000	2.360	4.250	6.460	11.400	6.320	5.650	12.200	3.700	3.100	3.900
16	31.500	3.900	2.450	5.780	6.060	15.500	8.200	5.280	10.200	4.520	2.710	3.100
17	20.200	3.800	3.280	6.460	5.650	16.900	7.300	4.780	8.350	3.700	2.450	2.710
18	14.200	3.800	6.060	6.860	5.400	14.200	8.680	5.020	7.450	4.520	2.280	2.450
19	11.800	3.600	5.920	6.190	5.280	11.400	7.000	5.150	6.730	5.020	2.120	2.280
20	9.900	3.500	5.030	5.520	5.020	10.200	6.600	4.780	6.190	4.650	2.120	2.120
21	9.200	3.500	3.900	4.650	4.900	14.500	5.920	4.400	5.920	4.200	3.800	2.120
22	8.350	3.500	3.600	4.200	4.780	16.900	5.400	4.300	6.190	3.600	4.520	2.200
23	7.900	3.600	3.400	3.900	4.650	16.000	5.020	4.000	6.730	3.300	3.000	3.150
24	7.300	3.600	3.200	3.600	4.300	15.500	4.780	3.900	6.460	3.200	2.360	3.080
25	7.000	3.500	3.100	3.400	4.000	19.700	4.520	3.900	6.190	6.760	4.740	2.120
26	6.600	3.400	3.000	3.700	3.500	19.200	4.300	3.700	5.780	7.150	24.800	2.120
27	6.320	3.300	2.900	3.600	3.200	19.200	4.200	3.500	5.520	5.650	37.800	4.600
28	6.060	3.200	2.900	3.500	3.000	19.200	4.100	4.260	4.900	4.900	40.200	8.500
29	5.650	3.100	3.710	3.600	3.000	19.700	4.000	16.900	4.200	3.700	37.900	5.870
30	5.400	3.100	6.060	4.180		17.800	3.900	12.600	3.600	5.400	26.600	4.200
31	5.280		5.400	4.650		16.900		13.000		4.780	20.900	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Coolidge, Kansas
Operated by U.S. Geological Survey

STATE	Kansas
MAJOR BASIN	Southwest-Lower Mississippi River
SUB BASIN	Ark. River, Kans-Colo Line to Tulsa
STATION LOCATION	Arkansas River at Coolidge, Kansas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.340	.265	.175	.140	.205	.148	.215	.379	.195	.028	.0014	.0000
2	.364	.260	.161	.130	.195	.160	.195	.304	.151	.028	.0013	.0000
3	.305	.245	.151	.127	.215	.130	.195	.270	.151	.031	.0013	.0000
4	.317	.215	.166	.123	.225	.140	.200	.245	.151	.123	.0013	.0000
5	.376	.190	.156	.115	.215	.165	.195	.310	.142	.079	.0013	.0000
6	.288	.166	.156	.120	.215	.180	.180	.353	.142	.079	.0012	.0000
7	.288	.185	.170	.135	.200	.213	.180	.424	.161	.464	.0014	.0000
8	.282	.190	.161	.170	.200	.300	.185	.444	.220	.225	.0016	.0000
9	.311	.185	.146	.180	.220	.500	.185	.470	.418	.180	.0034	.0009
10	.334	.180	.161	.180	.215	.750	.170	.470	.555	.156	.0051	.0012
11	.305	.166	.170	.170	.215	.829	.170	.470	.340	.132	.0410	.0010
12	.282	.170	.170	.175	.200	.622	.180	.457	.366	.195	.0160	.0009
13	.260	.170	.151	.161	.200	.491	.190	.457	.386	.245	.0056	.0007
14	.254	.130	.137	.170	.185	.405	.190	.457	.379	.170	.0043	.0007
15	.248	.150	.161	.161	.175	.366	.190	.477	.477	.114	.0026	.0009
16	.237	.155	.156	.160	.156	.316	.166	.484	.424	.118	.0017	.0010
17	.215	.135	.166	.100	.151	.316	.166	.457	.334	.230	.0016	.0012
18	.210	.142	.156	.046	.156	.322	.166	.470	.298	.250	.0013	.0013
19	.204	.151	.156	.042	.161	.310	.146	.444	.161	.104	.0016	.0013
20	.176	.156	.156	.040	.170	.280	.156	.424	.118	.082	.0021	.0009
21	.166	.156	.156	.048	.160	.260	.156	.412	.114	.082	.0017	.0009
22	.171	.166	.166	.050	.150	.265	.142	.398	.104	.051	.0014	.0010
23	.182	.166	.170	.100	.140	.270	.146	.379	.086	.047	.0009	.0021
24	.182	.175	.185	.150	.132	.270	.142	.372	.079	.039	.0009	.0017
25	.176	.175	.180	.164	.127	.328	.123	.372	.072	.028	.0002	.0016
26	.166	.175	.180	.160	.135	.336	.220	.392	.065	.020	.0002	.0016
27	.166	.175	.170	.156	.150	.366	.386	.366	.062	.009	.0002	.0016
28	.198	.180	.160	.153	.140	.340	.424	.379	.054	.007	.0000	.0016
29	.198	.166	.140	.152	.145	.304	.386	.484	.033	.006	.0001	.0016
30	.204	.180	.125	.190		.265	.431	.519	.028	.006	.0000	.0014
31	.210		.130	.205		.255		.260		.003	.0000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Atlanta, Georgia
Operated by U.S. Geological Survey

STATE: Georgia

MAJOR BASIN: Southeast

SUB BASIN: Chattahoochee River

STATION LOCATION: Chattahoochee River at Atlanta, Georgia

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.160	.846	2.190	3.660	3.490	3.680	5.830	1.240	2.340	3.410	1.670	4.190
2	2.080	.776	2.240	3.540	4.390	3.800	5.100	1.040	2.620	2.030	2.320	4.180
3	2.080	1.960	2.280	2.210	5.580	3.960	4.390	3.220	2.790	1.400	2.610	2.640
4	.604	2.030	2.270	1.860	5.440	3.740	4.760	3.190	1.830	1.830	2.820	1.180
5	.732	2.060	2.240	3.610	6.560	3.040	4.930	3.180	1.420	3.480	2.770	2.230
6	2.470	2.070	.875	3.620	4.190	1.080	7.260	3.230	1.720	3.670	1.680	3.750
7	3.170	2.060	.832	3.700	1.660	1.050	6.980	3.160	3.220	4.010	1.220	3.080
8	2.860	.741	1.400	3.750	1.400	3.300	6.740	1.330	3.800	3.700	1.290	3.130
9	3.270	.716	1.380	3.500	4.850	3.910	6.110	1.220	4.030	2.370	3.130	3.230
10	3.240	2.090	1.370	1.090	4.960	3.900	4.260	3.150	5.080	1.470	3.670	1.970
11	1.320	2.140	1.380	.960	5.040	4.250	3.210	3.260	3.920	2.270	3.700	1.190
12	.866	2.180	1.520	1.420	4.870	3.360	6.290	3.620	1.040	3.510	3.600	1.500
13	1.630	2.150	1.010	1.390	5.280	1.310	6.400	4.280	1.650	3.890	2.430	3.500
14	2.170	2.160	.915	1.400	1.860	1.250	6.370	2.650	2.890	3.670	1.370	3.290
15	2.430	1.010	2.960	1.440	1.500	3.770	6.320	1.550	3.140	3.640	2.030	3.160
16	1.950	.738	2.990	1.480	4.910	3.630	5.910	1.600	3.000	2.510	4.030	3.390
17	1.800	2.060	3.020	1.050	5.220	3.340	4.110	1.940	3.120	1.400	3.950	2.470
18	.942	2.090	3.240	1.790	3.920	3.150	3.090	3.530	1.940	1.260	4.110	1.150
19	.818	2.040	3.120	2.670	4.000	2.960	5.480	3.140	1.270	2.740	4.030	1.980
20	.980	2.100	.972	2.340	3.840	1.210	6.460	2.390	1.640	3.130	2.710	3.310
21	.975	2.080	1.190	2.240	3.940	1.380	6.550	1.980	2.850	2.880	1.270	3.340
22	1.060	.754	5.340	2.180	4.200	4.980	6.600	1.320	3.400	2.450	1.700	3.260
23	1.090	.699	5.340	2.190	3.990	5.020	5.820	1.770	3.400	2.660	3.960	3.320
24	1.050	1.960	5.440	.934	3.790	4.980	1.170	2.000	3.260	.871	4.080	2.240
25	.759	2.120	5.180	.876	3.900	5.000	1.080	2.870	2.030	1.670	3.980	1.130
26	.794	1.930	3.340	2.120	3.860	4.560	5.060	2.910	1.360	2.960	4.100	1.690
27	2.750	.842	.904	2.450	3.700	1.050	4.080	2.810	1.670	3.520	2.740	3.100
28	2.770	1.900	.972	2.760	3.730	1.280	4.080	1.740	2.730	3.580	1.210	4.090
29	2.840	.807	3.760	2.920	3.730	4.920	4.080	1.320	3.530	3.390	1.620	3.630
30	2.920	.738	3.600	5.120		9.160	4.060	1.730	3.240	2.010	3.480	2.540
31	2.890		3.640	10.600		4.740		2.290		1.260	4.250	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Columbus, Georgia
Operated by U.S. Geological Survey

STATE: Georgia

MAJOR BASIN: Southeast

SUB BASIN: Chattahoochee River

STATION LOCATION: Chattahoochee River at Columbus, Georgia

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.180	3.100	4.290	4.910	32.700	10.600	25.900	6.690	5.500	4.250	4.550	4.480
2	1.280	3.550	4.230	5.160	21.300	10.400	14.400	7.150	6.030	1.500	5.190	4.370
3	1.800	4.720	4.560	5.500	13.300	11.000	29.000	7.080	4.340	1.390	4.140	3.560
4	1.220	6.170	4.400	7.990	13.300	13.200	46.300	5.770	1.600	1.320	3.840	2.310
5	2.230	5.100	2.500	8.540	18.000	9.710	40.100	6.180	1.300	3.000	3.880	2.470
6	2.070	5.210	1.500	10.600	24.500	10.000	21.500	1.800	5.580	5.160	1.460	4.170
7	3.160	4.000	3.780	12.300	18.800	10.400	17.800	3.920	2.200	4.380	1.250	6.020
8	4.360	2.150	4.100	11.500	12.700	10.300	14.600	7.470	3.860	6.060	2.490	5.020
9	4.600	4.380	3.810	11.200	11.500	10.400	13.900	9.010	7.880	3.460	4.300	6.890
10	4.540	4.010	2.870	6.820	10.800	10.600	13.300	6.690	3.420	1.500	5.070	4.810
11	4.540	2.840	3.360	6.170	10.000	10.400	12.800	6.790	2.580	3.580	5.880	3.010
12	5.920	4.160	2.690	7.080	9.850	10.400	10.400	5.510	3.560	6.040	7.480	1.790
13	4.560	2.830	1.800	6.650	11.200	10.300	11.200	3.910	5.780	5.740	8.310	3.210
14	4.820	2.650	4.520	7.210	13.300	9.570	11.400	3.750	5.890	5.400	6.490	2.410
15	5.580	2.230	4.240	7.470	13.300	8.590	9.290	3.730	5.150	4.620	6.560	3.930
16	6.340	3.460	2.760	6.820	13.200	12.400	9.710	7.270	3.770	1.420	7.480	3.750
17	6.680	4.850	3.890	5.460	10.400	11.400	9.430	6.270	4.040	1.250	5.780	2.400
18	5.680	3.370	4.920	9.710	10.200	13.800	10.800	5.520	2.280	4.000	6.530	1.500
19	5.330	3.400	5.920	12.100	10.200	11.500	11.400	6.440	1.250	4.740	5.120	3.050
20	4.410	2.920	5.440	12.800	10.000	9.150	11.400	2.830	3.120	4.450	1.870	4.730
21	5.720	1.700	6.150	9.570	10.300	10.000	10.000	3.640	4.230	3.300	1.530	5.780
22	5.540	1.300	6.080	9.710	13.300	10.600	9.010	2.200	4.590	2.580	4.080	4.810
23	4.380	2.630	6.700	9.430	13.000	10.000	9.430	2.900	5.520	1.570	6.510	2.890
24	4.240	3.120	5.400	9.290	13.300	9.150	10.900	5.120	6.430	1.420	5.950	1.480
25	3.460	4.340	5.700	8.170	13.800	8.450	11.400	3.550	1.640	5.050	6.120	1.250
26	4.850	2.390	6.060	6.560	13.400	7.750	10.300	4.630	1.360	4.070	5.940	3.710
27	5.580	3.910	5.300	6.940	10.600	8.450	9.290	4.540	4.260	4.380	2.650	6.480
28	3.870	3.990	5.410	6.780	9.010	9.010	7.340	2.920	5.830	4.480	1.320	7.280
29	4.180	2.310	6.050	7.470	10.400	9.850	8.450	2.740	6.040	4.460	4.310	11.200
30	4.550	3.720	5.390	12.200		22.200	7.080	5.630	5.510	4.410	4.980	10.400
31	3.460		5.510	23.500		42.700		6.050		2.940	4.130	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Yuma, Arizona
Operated by U.S. Geological Survey

STATE: Arizona

MAJOR BASIN: Colorado River

SUB BASIN: Lower Colorado River

STATION LOCATION: Colorado River at Yuma, Arizona

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.000	3.350	2.050	2.830	1.920	1.970	3.090	3.820	1.990	2.220	3.180	2.490
2	1.920	4.060	2.070	2.580	1.940	1.940	3.070	3.300	1.980	2.340	2.950	2.730
3	1.960	3.840	2.280	2.300	2.500	2.250	3.160	2.940	2.010	2.020	2.790	3.010
4	2.240	2.570	2.190	1.240	2.050	2.380	2.020	2.600	1.830	2.160	2.480	2.830
5	2.150	2.500	2.140	.749	1.950	2.270	1.420	1.830	1.990	1.860	2.250	2.520
6	2.650	2.410	2.540	.744	1.980	2.210	1.610	1.800	2.090	2.470	2.380	2.380
7	2.560	2.770	2.710	1.020	2.060	2.100	2.340	2.100	2.080	2.240	2.540	2.440
8	2.240	3.000	2.560	.985	1.900	2.060	2.330	1.900	2.000	2.330	2.450	2.530
9	2.480	2.670	2.850	.944	2.110	2.250	2.370	1.820	2.190	2.330	2.360	2.420
10	3.020	2.350	2.860	.935	2.270	1.760	2.560	1.890	2.240	2.380	2.540	2.290
11	4.360	2.360	2.830	1.200	1.960	1.620	2.450	1.720	2.340	2.300	2.610	2.240
12	4.470	2.220	2.860	2.650	1.970	1.760	2.330	1.640	2.330	2.240	2.640	2.050
13	4.460	2.540	2.890	2.720	1.980	1.960	2.380	1.620	2.170	2.240	2.640	1.950
14	2.960	2.410	2.820	2.850	2.000	1.890	2.670	1.690	2.060	2.220	2.890	1.900
15	2.330	2.620	2.800	2.920	1.860	1.950	2.730	1.890	2.050	2.220	2.690	2.400
16	2.280	2.690	2.790	2.950	2.130	2.460	2.710	1.760	2.020	2.380	2.610	2.310
17	2.370	2.750	2.770	2.900	1.720	2.440	2.980	1.660	2.020	2.650	2.460	2.000
18	2.500	2.650	2.780	2.960	1.870	2.690	2.750	1.720	2.100	2.830	2.260	1.700
19	2.720	2.730	2.760	5.230	1.930	2.190	2.420	1.910	2.300	2.710	2.110	1.680
20	2.850	2.620	2.760	2.710	1.960	2.510	2.270	1.920	2.390	2.640	2.190	1.590
21	2.800	2.720	2.700	2.740	2.010	2.500	2.100	2.380	2.290	2.400	2.290	1.670
22	2.420	2.750	2.810	2.730	1.850	2.540	2.160	2.950	2.160	2.490	2.060	1.900
23	2.210	2.380	2.820	2.740	2.020	2.790	2.260	2.130	1.930	2.660	1.970	2.210
24	2.300	2.170	2.920	2.730	2.440	2.660	2.450	2.600	1.980	2.740	2.150	2.250
25	2.170	2.250	2.730	2.630	1.890	2.660	2.260	2.450	2.260	2.530	2.150	1.890
26	2.370	2.640	2.590	4.360	1.780	2.830	2.130	2.440	2.310	2.450	2.070	1.540
27	2.320	2.560	2.530	2.270	1.890	2.900	2.120	2.490	2.520	2.370	2.210	1.750
28	2.210	2.410	2.600	2.110	2.420	2.960	2.180	2.550	2.280	2.340	2.620	1.920
29	2.550	2.490	2.790	2.060	2.590	2.900	3.210	2.880	2.170	2.490	2.600	1.760
30	2.760	2.250	2.830	2.080		2.950	3.650	2.400	2.210	2.700	2.320	1.710
31	2.840		2.860	1.890		3.040		2.180		2.960	2.330	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station below Parker Dam
Operated by U.S. Geological Survey

STATE: California

MAJOR BASIN: Colorado River

SUB BASIN: Lower Colorado River

STATION LOCATION: Colorado River at Parker Dam, Arizona-California

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	9.570	6.240	6.260	6.800	6.890	9.040	14.500	10.800	13.800	14.800	16.200	10.600
2	9.440	6.490	6.320	6.720	6.100	8.730	14.400	11.100	13.000	16.200	15.400	10.700
3	9.450	6.540	7.590	6.670	7.550	8.690	14.200	11.600	14.400	15.500	15.400	10.700
4	9.610	6.800	7.630	7.310	7.550	6.590	15.100	11.700	14.600	16.400	15.700	10.900
5	9.570	6.970	7.350	7.430	6.840	9.340	15.400	10.900	14.400	16.100	15.800	11.300
6	9.470	6.890	7.220	7.350	7.220	10.300	15.100	11.400	14.400	16.100	15.600	10.900
7	12.000	7.390	7.590	7.470	7.390	10.900	14.300	11.300	14.500	15.600	15.900	10.800
8	12.000	7.220	7.550	7.430	9.040	10.900	16.100	11.400	14.000	16.000	15.700	10.700
9	12.100	7.220	6.670	7.470	8.840	10.900	15.700	11.400	13.700	16.300	16.000	11.700
10	11.300	6.930	6.280	7.470	8.730	10.500	15.600	11.400	14.300	16.200	15.600	11.300
11	9.840	6.840	6.890	7.390	8.220	10.400	16.200	11.500	14.300	16.200	15.100	11.400
12	9.220	6.590	6.970	7.310	8.730	10.500	14.600	11.300	14.900	16.000	14.200	11.200
13	9.040	7.140	6.840	7.310	8.880	11.600	13.800	12.300	14.700	16.100	14.300	10.900
14	8.690	6.400	6.400	7.140	8.810	11.800	13.000	12.700	14.800	15.600	14.600	10.900
15	8.530	6.140	6.540	7.180	9.080	12.800	13.800	12.700	14.400	16.000	14.000	10.700
16	9.150	6.230	6.240	7.140	9.120	13.400	13.400	12.400	14.100	16.300	14.000	11.600
17	8.920	6.670	6.800	7.350	8.920	13.900	13.700	12.600	15.300	16.200	13.400	11.300
18	9.040	6.540	6.670	6.970	9.150	14.100	14.000	12.100	15.200	16.700	13.300	11.300
19	8.610	6.280	6.670	6.890	9.650	14.400	13.900	10.600	15.100	16.600	12.900	11.300
20	8.640	6.360	6.760	6.890	7.990	14.800	13.300	11.000	14.800	16.700	12.700	11.500
21	8.290	6.590	6.400	6.930	8.770	15.400	12.000	11.200	14.900	16.100	13.500	10.800
22	7.690	6.670	5.540	6.760	8.570	15.400	14.300	11.500	14.900	16.200	13.300	9.840
23	8.450	6.800	6.890	6.760	10.300	15.500	13.300	11.600	14.500	15.200	13.000	10.300
24	8.300	6.530	6.930	5.280	9.990	14.900	13.500	12.500	15.800	15.300	13.000	10.200
25	8.060	6.540	6.930	6.010	10.100	15.000	13.100	12.100	16.000	16.400	12.200	10.400
26	8.200	6.190	6.630	6.190	9.500	15.400	12.500	12.200	15.600	16.200	12.100	10.500
27	8.060	5.750	6.590	5.960	9.340	15.800	12.000	14.100	15.400	15.700	12.100	10.800
28	7.810	5.840	6.590	5.880	8.420	15.400	11.000	14.300	16.100	15.500	11.800	9.690
29	7.770	6.060	6.670	7.350	8.690	14.700	10.700	14.000	16.500	15.300	12.800	9.420
30	7.210	6.180	6.760	6.760		14.600	10.700	13.800	15.600	15.600	13.000	9.570
31	7.220		6.970	6.670		15.300		14.400		15.300	11.600	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station below Hoover Dam
Data furnished by U.S. Bureau of Reclamation
through U.S. Geological Survey

STATE: Nevada

MAJOR BASIN: Colorado River

SUB BASIN: Lower Colorado River

STATION LOCATION: Colorado River near Boulder City, Nevada

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	11.700	5.330	9.140	6.400	11.300	14.300	15.200	8.270	18.000	18.100	15.400	14.200
2	10.900	11.300	8.340	8.920	9.210	12.900	12.000	12.700	19.200	13.700	16.300	16.000
3	7.940	11.000	10.100	7.600	9.360	10.700	9.560	13.800	18.200	9.500	16.600	11.100
4	7.620	10.900	12.600	12.000	8.870	10.400	14.600	13.300	13.700	8.270	16.000	10.000
5	10.300	10.500	9.390	10.400	10.300	5.940	13.000	14.400	11.200	17.200	15.300	9.340
6	11.300	11.600	8.470	10.600	6.350	5.330	13.600	14.200	17.600	17.300	12.900	16.300
7	11.500	9.300	12.100	10.500	6.320	10.400	15.100	10.700	17.900	18.400	11.200	16.200
8	13.000	8.030	12.300	10.500	10.400	11.000	15.400	7.490	19.600	17.100	16.100	16.300
9	12.400	11.600	10.400	11.300	8.360	11.200	11.700	15.000	18.700	15.500	16.000	16.200
10	8.980	11.600	10.200	7.650	9.100	11.500	9.950	15.900	18.100	9.940	17.000	14.500
11	8.060	11.300	9.360	10.200	7.410	14.500	17.200	14.500	14.600	18.500	18.100	10.400
12	14.500	11.700	5.520	10.300	7.470	7.610	17.900	16.000	11.900	18.700	18.700	18.400
13	14.800	11.700	5.330	12.600	5.210	6.490	17.400	16.000	18.600	19.300	14.000	18.500
14	14.100	8.730	8.400	12.100	4.700	11.400	17.700	12.400	18.400	19.200	10.300	15.900
15	13.600	8.910	7.050	11.600	7.200	12.400	17.500	8.540	19.200	20.300	16.100	14.300
16	12.500	11.100	7.540	10.700	9.070	12.300	13.900	13.900	17.600	19.000	17.300	13.200
17	9.600	11.400	7.690	7.590	9.930	13.500	11.600	15.100	18.000	13.900	17.700	10.400
18	8.000	11.300	8.160	12.000	10.900	12.400	18.300	15.700	15.000	22.700	17.500	7.090
19	11.900	13.400	7.930	11.400	10.300	9.530	18.900	14.800	11.400	20.500	18.100	13.100
20	12.000	10.900	7.570	11.000	7.200	8.030	18.300	16.100	17.300	21.600	13.400	12.900
21	11.700	8.810	10.600	12.100	7.770	14.600	18.300	13.300	17.600	17.800	8.940	12.700
22	12.000	6.790	12.000	10.500	9.070	15.200	16.300	10.600	19.100	17.100	15.800	11.600
23	13.000	11.200	11.900	6.910	10.200	14.900	12.900	15.900	19.600	11.000	16.100	13.400
24	10.200	10.900	9.630	6.460	8.670	12.800	11.700	16.000	19.200	8.720	16.900	11.500
25	5.730	11.600	5.920	12.700	9.460	13.700	17.200	16.700	15.500	16.200	18.800	10.300
26	13.000	5.300	0.000	11.200	12.000	9.660	17.900	17.800	11.900	16.600	16.600	15.900
27	13.400	11.000	8.140	11.500	8.720	9.530	17.100	17.000	17.700	16.300	13.100	14.900
28	12.300	8.900	11.700	11.800	8.760	12.100	17.200	14.600	19.000	16.400	10.800	14.400
29	12.700	8.290	11.100	11.300	14.100	14.400	17.600	11.300	18.900	15.900	16.300	13.900
30	12.100	10.500	11.600	8.500		14.800	12.700	11.400	18.400	11.300	17.600	13.300
31	7.330		9.560	8.100		13.900		17.600		10.000	18.100	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Colorado-Utah State Line
Operated by U.S. Geological Survey

STATE	Colorado
MAJOR BASIN	Colorado River
SUB BASIN	Upper Colorado River
STATION LOCATION	Colorado River near Loma, Colorado

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	3.770	3.830	2.320	2.230	2.410	2.260	5.620	5.900	16.100	7.330	2.240	1.230
2	4.650	4.110	2.310	2.260	2.660	2.410	5.020	5.240	16.500	6.560	2.520	1.360
3	4.540	4.110	2.510	2.120	2.660	2.540	4.240	5.000	19.400	6.040	2.990	1.400
4	4.370	3.770	2.610	2.060	2.540	2.490	3.790	4.470	22.000	5.770	2.740	1.430
5	4.100	3.610	2.490	2.000	2.360	2.460	3.830	4.280	23.600	5.640	2.380	1.450
6	4.160	3.490	2.290	2.090	2.300	2.620	4.780	4.470	23.300	5.310	2.030	1.440
7	4.160	3.240	2.220	2.260	2.260	2.930	7.150	4.320	22.400	5.060	1.850	1.570
8	4.140	3.020	1.950	2.540	2.410	3.410	8.740	4.050	20.400	4.760	1.760	1.520
9	4.160	3.220	1.900	2.690	2.380	4.340	9.400	4.760	21.200	4.630	1.670	1.580
10	3.990	3.390	2.130	2.720	2.640	3.870	10.000	6.300	20.700	4.300	1.520	1.580
11	3.910	3.320	2.350	2.450	2.370	3.150	11.000	8.680	19.200	4.010	1.370	1.680
12	3.830	3.270	2.510	2.430	2.300	2.850	12.000	12.100	17.600	4.220	1.340	1.700
13	3.930	3.430	2.690	2.380	2.300	3.100	13.000	15.900	16.500	4.340	1.300	1.730
14	3.950	3.280	2.690	2.300	2.230	3.690	11.400	19.200	15.700	4.070	1.320	1.770
15	4.110	3.170	2.660	2.720	2.280	3.850	9.690	20.200	16.400	3.810	1.300	1.760
16	4.110	2.850	2.610	2.760	2.260	3.110	9.590	19.300	16.900	3.630	1.240	1.820
17	4.030	2.850	2.490	2.510	2.230	2.780	9.850	17.500	15.800	3.530	1.190	2.160
18	3.970	2.920	2.340	2.510	2.400	2.490	7.930	15.700	18.800	3.240	1.230	2.300
19	3.890	2.950	2.410	2.230	2.340	2.710	8.260	14.800	20.400	2.850	1.240	2.360
20	3.750	3.060	2.490	2.150	2.230	2.920	8.770	13.400	19.900	2.620	1.240	2.340
21	3.570	3.040	2.610	2.200	2.400	3.410	8.740	11.800	19.000	2.560	1.270	2.340
22	3.530	2.970	2.540	2.280	2.400	3.810	10.200	10.900	17.300	2.360	1.230	2.300
23	3.570	2.880	2.520	2.400	2.340	4.200	12.900	11.100	14.700	2.340	1.330	2.380
24	3.530	2.860	2.620	2.610	2.300	4.760	12.900	13.000	12.800	2.280	1.360	2.340
25	3.490	2.740	2.540	2.540	2.220	5.140	12.400	13.600	11.000	2.320	1.550	2.200
26	3.510	2.830	2.480	2.620	2.230	5.400	9.690	12.700	10.500	2.280	1.730	2.220
27	3.490	2.810	2.620	2.710	2.160	5.920	8.110	12.200	9.980	2.230	1.740	2.150
28	3.830	2.560	2.620	2.740	2.380	7.180	6.820	13.100	9.370	2.050	1.670	2.120
29	3.890	2.190	2.380	2.690	2.290	7.720	6.490	13.300	8.410	2.050	1.550	2.020
30	4.320	2.090	2.150	2.540		7.390	6.520	14.000	7.810	1.980	1.420	2.010
31	4.260		2.120	2.410		5.940		15.100		1.960	1.350	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Lees Ferry, Arizona
Operated by U.S. Geological Survey

STATE Arizona

MAJOR BASIN Colorado River

SUB BASIN Middle Colorado River

STATION LOCATION Colorado River at Page, Arizona

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	4.500	9.180	6.130	6.100	5.640	5.090	26.900	23.600	30.300	22.200	4.830	2.870
2	4.930	8.900	6.350	5.850	5.700	5.110	27.600	21.900	31.900	20.600	4.580	3.300
3	5.820	11.100	6.280	5.360	5.790	5.060	27.300	19.900	32.300	19.000	4.420	4.130
4	8.430	13.200	6.060	4.960	5.820	5.060	25.400	18.700	33.100	17.800	4.520	3.990
5	12.900	12.200	5.760	4.400	6.280	5.170	22.900	17.500	35.200	17.200	4.160	2.970
6	12.500	11.800	5.760	3.880	6.100	5.250	20.900	16.900	39.200	15.200	4.200	2.780
7	12.000	11.100	5.790	3.300	5.880	5.360	19.300	15.800	43.000	13.900	4.520	2.690
8	11.300	10.300	5.670	2.990	5.880	5.330	18.400	15.200	45.000	13.400	4.830	2.600
9	10.100	9.720	5.580	2.810	5.850	6.100	18.700	14.400	45.500	12.700	5.010	2.780
10	9.270	9.160	5.360	3.050	5.670	9.490	20.300	14.400	45.000	11.800	4.600	2.810
11	8.650	8.680	5.110	3.400	5.500	11.800	23.300	14.400	44.000	11.300	4.110	2.850
12	8.290	8.180	4.830	3.830	5.580	12.500	26.900	14.400	44.000	11.100	4.760	3.050
13	7.940	7.940	4.550	5.090	5.730	13.200	31.900	15.200	44.000	10.500	3.570	3.070
14	7.800	7.940	4.580	5.470	5.820	12.500	36.100	17.800	42.500	9.910	3.400	3.010
15	7.550	7.970	4.830	5.850	6.000	11.300	38.400	22.600	42.000	9.340	3.160	2.880
16	7.410	7.760	5.090	6.250	5.970	11.100	39.200	29.600	41.100	9.000	2.970	2.800
17	7.280	7.550	5.170	6.380	5.530	11.800	37.000	36.100	39.200	8.970	2.800	2.830
18	7.580	7.550	5.470	6.060	5.390	12.000	34.000	39.200	40.200	8.860	2.610	3.010
19	7.720	7.480	5.640	5.880	5.250	11.800	31.500	40.600	38.800	8.470	2.480	2.990
20	7.760	7.380	5.760	5.760	5.280	11.100	30.300	38.800	38.400	8.080	2.380	3.010
21	7.800	7.210	5.850	5.410	5.280	10.300	27.300	37.400	39.700	7.800	2.320	3.120
22	7.860	7.110	5.850	5.200	5.170	10.100	25.100	35.600	40.200	7.450	2.250	3.090
23	7.800	7.070	5.820	5.250	5.200	12.200	24.000	33.500	39.200	7.110	2.240	3.280
24	7.660	6.970	5.670	5.170	5.250	13.700	24.300	31.100	38.400	6.480	2.190	3.550
25	7.550	6.840	5.580	5.010	5.140	14.400	24.700	29.200	36.600	6.160	2.550	3.790
26	7.380	6.740	5.850	4.850	5.110	15.800	25.400	28.400	34.000	5.940	2.810	3.940
27	7.310	6.670	6.610	4.880	5.060	19.900	26.900	29.200	30.700	5.700	2.310	3.990
28	7.310	6.510	7.180	5.090	5.010	23.600	26.900	29.600	27.600	5.440	2.350	4.040
29	7.310	6.410	6.640	5.300	4.980	25.800	26.900	28.000	25.100	5.250	2.450	3.990
30	7.480	6.220	6.320	5.730		26.500	25.800	27.600	23.600	5.140	2.440	3.880
31	8.570		6.220	5.670		26.500		28.400		5.030	2.610	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Computed Data for Clatskanie, Oregon
Data Supplied by U.S. Geological Survey

STATE Oregon

MAJOR BASIN Pacific Northwest

SUB BASIN Columbia River below Yakima River

STATION LOCATION Columbia River M552 near Clatskanie, Oregon

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	236.000	240.000	274.000	168.000	249.000	150.000	419.000	273.000	484.000	377.000	212.000	128.000
2	222.000	225.000	265.000	163.000	240.000	148.000	404.000	283.000	480.000	384.000	202.000	128.000
3	212.000	227.000	255.000	156.000	238.000	150.000	384.000	286.000	488.000	395.000	207.000	125.000
4	200.000	237.000	250.000	151.000	241.000	147.000	380.000	290.000	513.000	390.000	196.000	118.000
5	195.000	226.000	245.000	153.000	236.000	157.000	382.000	292.000	537.000	388.000	216.000	123.000
6	184.000	229.000	237.000	152.000	231.000	198.000	389.000	293.000	544.000	389.000	214.000	118.000
7	183.000	225.000	223.000	153.000	312.000	216.000	407.000	306.000	530.000	389.000	212.000	110.000
8	188.000	210.000	210.000	149.000	358.000	225.000	423.000	324.000	510.000	393.000	212.000	115.000
9	212.000	204.000	191.000	150.000	370.000	268.000	433.000	343.000	503.000	390.000	193.000	127.000
10	285.000	198.000	183.000	154.000	344.000	265.000	432.000	350.000	504.000	365.000	193.000	129.000
11	266.000	196.000	186.000	153.000	349.000	235.000	426.000	354.000	482.000	353.000	192.000	126.000
12	316.000	197.000	224.000	156.000	324.000	211.000	416.000	377.000	482.000	350.000	194.000	121.000
13	285.000	185.000	218.000	160.000	292.000	209.000	407.000	427.000	478.000	338.000	197.000	125.000
14	284.000	176.000	213.000	148.000	290.000	205.000	407.000	482.000	480.000	324.000	179.000	127.000
15	255.000	171.000	215.000	155.000	325.000	215.000	425.000	498.000	488.000	327.000	182.000	125.000
16	244.000	169.000	340.000	150.000	305.000	221.000	428.000	482.000	488.000	315.000	165.000	120.000
17	235.000	163.000	324.000	159.000	273.000	211.000	402.000	474.000	519.000	305.000	171.000	125.000
18	234.000	186.000	277.000	168.000	254.000	212.000	378.000	485.000	501.000	316.000	169.000	121.000
19	226.000	204.000	242.000	175.000	239.000	196.000	368.000	474.000	482.000	305.000	172.000	128.000
20	224.000	205.000	226.000	172.000	219.000	199.000	382.000	494.000	469.000	303.000	183.000	124.000
21	234.000	338.000	217.000	168.000	191.000	219.000	414.000	537.000	464.000	296.000	134.000	119.000
22	239.000	319.000	205.000	164.000	193.000	230.000	409.000	531.000	447.000	298.000	157.000	119.000
23	356.000	437.000	195.000	167.000	182.000	238.000	392.000	531.000	426.000	285.000	147.000	119.000
24	348.000	494.000	192.000	187.000	176.000	265.000	374.000	511.000	418.000	285.000	148.000	125.000
25	349.000	496.000	191.000	186.000	173.000	270.000	356.000	481.000	402.000	268.000	154.000	130.000
26	316.000	415.000	191.000	196.000	165.000	291.000	342.000	472.000	379.000	265.000	148.000	133.000
27	293.000	366.000	186.000	196.000	159.000	313.000	324.000	469.000	371.000	233.000	151.000	138.000
28	280.000	338.000	185.000	194.000	156.000	332.000	306.000	476.000	365.000	263.000	141.000	129.000
29	270.000	306.000	177.000	239.000	155.000	333.000	292.000	466.000	357.000	238.000	136.000	132.000
30	264.000	287.000	168.000	258.000		400.000	270.000	462.000	365.000	206.000	130.000	132.000
31	260.000		167.000	246.000		411.000		466.000		264.000	121.000	

Computed as sum of Columbia River near The Dalles, Oregon plus 4 times the sum of Klickitat River near Pitt, Washington and Hood River and Conduit near Hood River, Oregon, plus Willamette River at Salem, Oregon plus 4.5 times the Cowlitz River at Castle Rock, Washington.

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Computed Data for Bonneville Dam
Supplied by U.S. Geological Survey

STATE: Oregon

MAJOR BASIN: Pacific Northwest

SUB BASIN: Columbia River below Yakima River

STATION LOCATION: Columbia River at Bonneville, Oregon

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	190.000	186.000	199.000	120.000	153.000	106.000	250.000	195.000	367.000	332.000	190.000	108.000
2	181.000	176.000	197.000	120.000	151.000	106.000	239.000	205.000	376.000	343.000	180.000	107.000
3	174.000	179.000	190.000	115.000	136.000	109.000	224.000	208.000	383.000	357.000	187.000	105.000
4	166.000	183.000	189.000	113.000	142.000	107.000	228.000	213.000	405.000	352.000	176.000	95.800
5	163.000	172.000	190.000	116.000	141.000	102.000	242.000	217.000	435.000	350.000	196.000	96.700
6	155.000	178.000	184.000	115.000	133.000	108.000	256.000	222.000	451.000	351.000	194.000	92.600
7	152.000	176.000	172.000	114.000	145.000	113.000	279.000	217.000	441.000	351.000	192.000	86.800
8	156.000	164.000	169.000	111.000	154.000	104.000	296.000	214.000	431.000	356.000	193.000	93.300
9	155.000	162.000	146.000	107.000	156.000	130.000	307.000	239.000	431.000	355.000	174.000	106.000
10	160.000	158.000	139.000	108.000	134.000	131.000	316.000	254.000	437.000	331.000	173.000	109.000
11	159.000	157.000	136.000	111.000	149.000	115.000	326.000	255.000	414.000	321.000	172.000	106.000
12	165.000	160.000	131.000	114.000	152.000	108.000	322.000	267.000	415.000	319.000	174.000	101.000
13	167.000	149.000	132.000	119.000	138.000	112.000	322.000	301.000	411.000	399.000	177.000	105.000
14	192.000	141.000	131.000	108.000	133.000	112.000	319.000	358.000	415.000	294.000	159.000	108.000
15	182.000	136.000	126.000	117.000	146.000	115.000	313.000	381.000	415.000	298.000	162.000	106.000
16	178.000	135.000	137.000	113.000	144.000	112.000	310.000	374.000	412.000	286.000	146.000	101.000
17	176.000	131.000	152.000	121.000	132.000	111.000	295.000	363.000	429.000	277.000	152.000	106.000
18	180.000	132.000	152.000	125.000	127.000	122.000	283.000	368.000	426.000	288.000	150.000	102.000
19	179.000	131.000	140.000	128.000	126.000	114.000	271.000	363.000	419.000	277.000	153.000	109.000
20	179.000	129.000	138.000	128.000	117.000	114.000	271.000	359.000	407.000	275.000	164.000	105.000
21	176.000	136.000	139.000	128.000	110.000	131.000	280.000	366.000	405.000	269.000	116.000	100.000
22	181.000	138.000	135.000	126.000	120.000	133.000	277.000	373.000	392.000	272.000	138.000	101.000
23	189.000	152.000	132.000	126.000	114.000	135.000	273.000	380.000	376.000	260.000	128.000	101.000
24	198.000	168.000	130.000	128.000	113.000	161.000	265.000	379.000	368.000	261.000	122.000	106.000
25	215.000	198.000	129.000	126.000	112.000	170.000	256.000	361.000	353.000	246.000	124.000	110.000
26	209.000	218.000	132.000	131.000	109.000	191.000	251.000	357.000	330.000	243.000	120.000	112.000
27	205.000	220.000	129.000	129.000	107.000	211.000	239.000	345.000	324.000	211.000	120.000	118.000
28	203.000	223.000	129.000	131.000	108.000	227.000	224.000	352.000	320.000	239.000	114.000	110.000
29	199.000	208.000	125.000	132.000	109.000	226.000	212.000	349.000	312.000	215.000	112.000	113.000
30	200.000	200.000	119.000	129.000		239.000	192.000	353.000	320.000	183.000	108.000	114.000
31	200.000		119.000	136.000		242.000		354.000		242.000	101.000	

Computed as sum of Columbia River near The Dalles, Oregon plus twice the sum of Klickitat River near Pitt, Washington and Hood River and conduit near Hood River, Oregon.

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Computed Data for Pasco, Washington
Supplied by U.S. Geological Survey

STATE: Washington

MAJOR BASIN: Pacific Northwest

SUB BASIN: Middle and Lower Snake River

STATION LOCATION: Columbia River at Pasco, Washington

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	135.000	129.000	140.000	76.200	100.000	63.400	119.000	127.000	241.000	289.000	155.000	78.800
2	126.000	129.000	139.000	78.600	90.000	69.900	115.000	130.000	246.000	302.000	156.000	69.000
3	122.000	126.000	138.000	75.900	89.200	74.300	132.000	133.000	250.000	303.000	160.000	67.100
4	120.000	125.000	138.000	79.500	89.000	77.500	141.000	135.000	282.000	303.000	160.000	66.000
5	113.000	122.000	129.000	75.100	89.400	65.400	151.000	132.000	292.000	306.000	161.000	66.900
6	113.000	121.000	126.000	70.200	83.300	65.300	161.000	122.000	291.000	312.000	156.000	67.900
7	111.000	122.000	117.000	69.400	81.300	63.900	165.000	125.000	284.000	314.000	154.000	74.000
8	108.000	120.000	94.500	69.400	73.500	64.600	168.000	127.000	286.000	309.000	143.000	77.000
9	107.000	117.000	95.300	70.300	75.100	63.400	178.000	126.000	286.000	296.000	146.000	79.000
10	104.000	119.000	92.400	71.100	87.900	55.800	168.000	126.000	283.000	293.000	146.000	81.000
11	104.000	110.000	83.600	73.800	88.100	56.400	169.000	131.000	284.000	289.000	146.000	79.800
12	106.000	103.000	82.300	73.700	88.200	63.200	196.000	150.000	286.000	276.000	138.000	80.800
13	109.000	98.200	85.400	73.000	84.300	61.800	197.000	178.000	293.000	267.000	130.000	77.800
14	112.000	91.200	87.600	72.500	93.200	64.700	198.000	203.000	295.000	262.000	128.000	75.700
15	112.000	88.900	91.100	88.400	88.100	68.900	197.000	218.000	302.000	251.000	122.000	76.700
16	112.000	92.000	109.000	88.000	71.200	68.700	193.000	222.000	302.000	249.000	125.000	75.800
17	110.000	91.300	105.000	88.900	69.300	72.100	186.000	234.000	301.000	252.000	123.000	76.800
18	110.000	89.300	100.000	88.900	69.200	71.200	180.000	232.000	306.000	250.000	121.000	75.800
19	119.000	86.700	97.100	94.600	70.200	70.600	180.000	242.000	309.000	247.000	112.000	70.800
20	124.000	90.700	96.700	93.300	70.000	70.000	184.000	254.000	311.000	243.000	109.000	69.800
21	126.000	93.500	95.600	93.900	68.500	70.100	173.000	258.000	303.000	239.000	107.000	72.800
22	124.000	95.200	97.000	94.700	68.500	72.700	169.000	266.000	296.000	230.000	104.000	76.900
23	134.000	111.000	94.500	94.100	67.200	74.600	167.000	263.000	286.000	223.000	102.000	81.800
24	131.000	114.000	91.000	83.700	69.000	76.700	166.000	255.000	274.000	221.000	98.800	85.000
25	134.000	138.000	88.100	92.500	63.000	90.000	163.000	247.000	256.000	215.000	94.900	85.200
26	134.000	157.000	88.900	89.200	65.100	96.200	161.000	244.000	251.000	204.000	90.900	84.200
27	135.000	154.000	87.600	89.000	60.800	102.000	145.000	241.000	250.000	192.000	87.900	86.100
28	138.000	147.000	88.400	89.000	57.000	102.000	127.000	236.000	252.000	187.000	82.800	87.000
29	144.000	143.000	82.600	86.400	56.900	115.000	116.000	238.000	262.000	173.000	79.100	86.000
30	138.000	142.000	81.600	96.700		119.000	120.000	240.000	276.000	167.000	78.900	84.100
31	133.000		77.600	108.000		119.000		240.000		156.000	78.900	

Computed as sum of Columbia River at Trinidad, Washington plus Yakima River at Kiona, Washington.

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Trinidad, Washington
Operated by U.S. Geological Survey

STATE: Washington

MAJOR BASIN: Pacific Northwest

SUB BASIN: Columbia River above Yakima River

STATION LOCATION: Columbia River at Wenatchee, Washington

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	131.000	124.000	131.000	68.300	97.000	61.400	112.000	125.000	234.000	288.000	154.000	77.000
2	123.000	124.000	131.000	71.100	87.000	67.300	109.000	127.000	240.000	301.000	157.000	67.000
3	119.000	121.000	130.000	68.500	86.200	72.300	126.000	130.000	254.000	302.000	158.000	65.000
4	117.000	120.000	130.000	72.200	86.000	75.500	136.000	132.000	278.000	302.000	159.000	64.000
5	110.000	117.000	121.000	67.900	85.700	63.500	145.000	129.000	288.000	305.000	160.000	65.000
6	110.000	116.000	118.000	63.000	80.600	63.400	155.000	120.000	287.000	311.000	157.000	66.000
7	108.000	117.000	109.000	62.000	78.400	61.800	158.000	123.000	281.000	313.000	153.000	72.000
8	105.000	115.000	87.000	62.000	70.200	62.400	160.000	125.000	282.000	308.000	142.000	75.000
9	104.000	112.000	87.400	63.000	71.000	61.200	170.000	122.000	283.000	295.000	145.000	77.000
10	101.000	115.000	85.100	64.000	83.800	53.700	179.000	122.000	281.000	292.000	145.000	79.000
11	101.000	106.000	76.400	67.000	84.300	54.300	181.000	128.000	282.000	288.000	145.000	78.000
12	103.000	99.000	75.200	67.000	84.600	61.200	189.000	147.000	284.000	275.000	137.000	79.000
13	104.000	94.000	78.300	66.600	80.900	59.800	191.000	174.000	287.000	266.000	129.000	76.000
14	107.000	87.000	80.600	67.100	90.000	62.800	193.000	197.000	288.000	261.000	127.000	74.000
15	109.000	85.000	84.300	83.600	85.000	66.900	192.000	213.000	298.000	250.000	121.000	75.000
16	109.000	88.000	101.000	83.200	68.000	66.800	188.000	216.000	298.000	248.000	124.000	74.000
17	115.000	87.800	92.900	85.000	66.000	70.000	181.000	228.000	297.000	251.000	122.000	75.000
18	114.000	86.000	89.000	85.400	66.000	69.000	176.000	226.000	300.000	249.000	120.000	74.000
19	114.000	83.000	88.000	96.800	67.200	68.000	177.000	236.000	304.000	246.000	111.000	69.000
20	119.000	87.100	87.000	90.200	67.000	67.000	181.000	248.000	306.000	242.000	108.000	68.000
21	121.000	90.000	86.000	90.700	65.800	67.000	170.000	252.000	299.000	238.000	106.000	71.000
22	120.000	90.700	87.700	91.500	66.000	69.000	166.000	259.000	293.000	229.000	103.000	75.000
23	130.000	104.000	85.600	90.900	64.700	70.000	164.000	255.000	284.000	222.000	100.000	80.000
24	125.000	105.000	82.000	80.600	66.500	71.000	163.000	248.000	272.000	220.000	97.000	83.000
25	128.000	123.000	79.000	89.300	60.600	84.000	160.000	240.000	254.000	214.000	93.000	83.000
26	128.000	138.000	80.000	86.100	62.700	89.000	158.000	237.000	250.000	203.000	89.000	82.000
27	129.000	140.000	79.000	85.900	58.400	93.500	142.000	234.000	249.000	191.000	86.000	84.000
28	133.000	136.000	80.000	85.900	54.700	93.400	123.000	229.000	250.000	186.000	81.000	85.000
29	139.000	133.000	74.300	83.400	54.700	106.000	112.000	231.000	261.000	172.000	77.000	84.000
30	133.000	133.000	73.400	94.000		111.000	117.000	234.000	275.000	166.000	77.000	82.000
31	128.000		69.600	105.000		111.000		234.000		155.000	77.000	

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STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Computed Data for Vernon, Vermont
Supplied by U.S. Geological Survey

STATE: Massachusetts

MAJOR BASIN: Northeast

SUB BASIN: Connecticut River

STATION LOCATION: Connecticut River below Northfield, Massachusetts

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.610	13.000	54.000	12.200	8.380	8.960	64.500	22.600	9.810	6.800	6.780	2.900
2	7.410	17.300	44.700	8.030	7.760	8.690	72.900	17.300	12.600	4.910	5.350	2.890
3	8.220	16.600	37.000	10.200	6.950	8.080	69.100	18.500	12.400	1.190	4.650	.327
4	1.240	17.800	29.200	26.500	7.850	9.050	78.700	19.600	20.200	2.630	4.300	.557
5	3.450	16.000	24.800	26.100	7.140	6.940	106.000	17.200	14.100	7.940	4.160	.522
6	6.030	16.000	14.600	20.600	7.570	6.060	107.000	16.400	12.000	7.050	1.620	1.760
7	6.860	23.000	18.600	17.500	5.310	7.520	82.300	15.400	12.100	5.790	1.010	2.090
8	9.230	25.500	26.800	16.100	7.480	6.820	61.300	13.500	10.400	6.100	4.100	1.870
9	15.800	18.500	24.400	15.500	7.650	6.770	48.800	12.300	7.230	2.080	3.840	2.650
10	16.900	17.200	22.500	13.800	7.610	7.260	40.000	16.700	7.240	1.250	6.360	.730
11	10.800	15.700	19.300	10.500	11.400	7.040	32.200	18.200	5.700	4.080	5.460	1.380
12	6.130	15.500	18.100	10.100	19.700	6.840	28.600	17.700	3.430	4.410	3.960	14.400
13	6.560	14.700	30.500	11.200	21.600	3.660	37.900	16.500	5.740	4.080	1.020	32.800
14	6.670	11.700	34.600	11.700	16.800	6.840	46.600	17.200	5.230	5.140	.407	17.400
15	7.300	16.400	29.000	12.100	13.100	6.460	56.600	15.700	6.930	4.940	2.600	13.800
16	7.320	17.000	25.200	12.600	11.900	7.400	64.700	16.100	12.300	1.180	3.320	11.400
17	2.040	17.500	23.300	6.690	14.200	8.060	56.600	25.700	12.400	.521	3.540	5.240
18	.716	17.000	20.000	9.030	14.000	7.970	56.700	24.500	10.300	4.330	2.750	1.310
19	5.800	16.400	19.400	10.500	13.400	8.080	62.400	16.500	5.310	4.180	4.760	4.860
20	5.480	15.700	16.400	11.000	14.000	4.930	56.500	15.600	7.980	4.400	1.360	14.800
21	5.300	15.300	13.900	11.000	11.500	6.830	54.600	14.300	8.020	4.520	.336	10.900
22	5.640	10.400	10.300	10.500	10.400	6.640	50.700	11.600	8.180	4.220	2.380	7.230
23	6.970	8.870	8.050	8.480	8.340	7.120	45.200	10.200	7.140	1.530	3.140	8.290
24	19.400	13.700	8.400	7.150	8.690	7.300	38.200	14.700	6.580	.312	3.000	3.630
25	62.000	25.300	7.730	9.820	9.070	7.080	40.000	28.400	7.400	3.850	3.460	1.360
26	58.900	34.400	6.810	9.000	9.410	4.450	47.000	22.600	11.100	4.610	2.840	5.280
27	42.300	33.300	7.220	9.020	10.700	3.310	41.400	16.800	7.590	4.260	.323	5.080
28	33.000	40.100	9.030	9.820	6.130	6.960	37.600	15.100	10.600	4.100	.300	4.280
29	20.700	76.900	11.300	9.820	9.040	7.940	30.000	11.500	9.880	2.350	3.220	3.760
30	18.400	64.900	11.300	9.200		10.100	27.200	7.720	6.760	6.050	3.610	6.160
31	16.400		11.800	5.760		24.700		8.510		4.850	3.200	

Computed as sum of Ashuelot River at Hinsdale, New Hampshire plus Connecticut River at Vernon, Vermont.

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Trenton, New Jersey
Operated by U.S. Geological Survey

STATE: Pennsylvania

MAJOR BASIN: North Atlantic

SUB BASIN: Delaware-Schuylkill Rivers

STATION LOCATION: Delaware River M90 at Philadelphia, Pennsylvania

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	4.490	8.050	32.700	17.600	9.380	11.000	72.800	10.400	10.800	8.450	9.260	13.900
2	7.200	8.620	23.600	14.900	8.600	10.600	74.500	10.100	11.300	9.500	7.080	10.400
3	6.700	13.400	19.400	19.800	8.750	9.560	51.100	9.620	11.200	8.800	5.860	8.500
4	5.900	12.200	16.700	40.300	8.200	8.700	57.700	9.380	10.800	8.300	5.500	7.000
5	5.620	10.600	14.800	47.700	7.900	8.000	107.000	8.750	12.400	8.800	5.780	5.780
6	4.420	9.950	12.900	32.400	9.620	8.900	112.000	8.350	9.800	8.450	6.020	5.140
7	3.720	12.700	15.900	25.000	12.400	9.150	76.000	7.800	9.200	7.200	7.450	5.100
8	4.350	16.600	23.400	21.100	12.100	8.050	53.600	7.350	9.500	6.550	6.880	4.780
9	6.300	17.600	26.500	18.700	11.600	8.250	41.700	7.000	8.950	5.900	5.780	4.380
10	13.000	14.800	21.500	16.000	12.000	8.250	33.900	7.900	8.000	5.300	5.620	4.560
11	20.700	13.600	18.100	13.800	15.100	8.100	28.800	9.850	6.920	4.820	6.400	5.260
12	13.300	12.100	18.200	12.500	50.300	7.550	25.000	10.000	6.220	4.320	6.700	22.500
13	9.950	10.500	29.200	13.200	60.100	7.450	22.100	10.700	5.980	4.420	6.180	57.000
14	8.450	9.560	40.900	13.400	40.800	7.120	20.800	13.500	6.800	5.500	5.460	59.400
15	7.450	9.100	34.900	13.800	26.800	6.600	19.600	15.400	8.350	7.000	4.820	38.100
16	7.450	9.100	26.700	14.300	22.300	6.960	18.300	13.100	12.700	9.440	4.600	25.700
17	6.550	10.000	22.200	12.500	19.600	7.400	17.500	11.600	14.700	8.600	6.220	19.400
18	5.780	10.200	19.600	11.000	18.600	7.650	17.200	11.100	13.100	6.880	5.820	15.900
19	5.220	10.000	17.800	11.700	23.500	8.250	17.000	12.000	14.600	5.620	4.820	15.100
20	4.820	9.900	15.700	11.500	21.500	8.650	16.300	11.400	14.600	5.340	4.920	22.700
21	4.860	8.800	13.700	9.900	18.400	8.300	15.200	10.700	12.100	5.020	20.400	47.300
22	4.560	8.200	12.300	9.500	15.600	7.700	13.400	10.200	11.300	4.630	16.400	44.600
23	4.210	7.750	11.500	9.100	14.000	7.600	12.200	13.400	10.200	4.180	12.400	29.700
24	4.600	7.400	10.200	8.750	13.600	7.650	11.400	17.200	9.320	4.070	10.000	23.200
25	7.700	9.620	10.100	7.400	12.800	8.000	9.900	17.800	10.400	3.790	8.500	18.700
26	14.300	10.900	9.200	6.840	14.300	7.400	9.680	16.600	18.700	3.380	7.080	15.300
27	15.800	11.000	9.560	7.550	14.700	7.160	10.300	14.400	15.100	3.620	6.060	13.700
28	12.800	10.200	10.900	8.800	13.700	7.080	11.300	12.400	11.600	4.420	5.500	13.100
29	10.800	44.600	19.600	10.700	12.100	7.750	11.100	11.200	10.200	4.660	5.100	12.200
30	9.440	54.200	21.600	11.000		11.300	11.000	10.200	8.950	6.800	5.900	11.900
31	8.500		22.000	10.600		26.100		9.900		8.350	11.900	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Belvidere, New Jersey
Operated by U.S. Geological Survey

STATE: Pennsylvania

MAJOR BASIN: North Atlantic

SUB BASIN: Delaware-Lehigh Rivers

STATION LOCATION: Delaware River at Martins Creek, Pennsylvania

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	3.730	5.310	20.800	11.300	5.250	7.100	63.100	6.390	7.420	6.940	5.370	4.710
2	4.230	9.100	15.800	9.340	5.460	6.120	48.300	6.360	8.240	6.660	4.200	4.380
3	3.950	10.700	13.400	13.200	5.460	5.940	33.100	6.540	7.840	5.820	3.970	3.780
4	4.000	8.610	11.600	34.800	5.100	4.650	44.100	6.090	7.760	6.270	3.850	3.000
5	2.850	7.680	10.000	29.700	5.100	5.100	83.800	5.730	6.420	6.390	3.470	2.560
6	2.330	7.760	8.820	20.500	5.760	6.120	73.000	5.280	5.850	5.580	4.640	2.760
7	2.760	9.180	10.200	16.100	7.180	5.190	48.100	4.930	6.480	4.850	5.020	2.790
8	3.950	15.600	18.300	14.000	7.330	5.310	34.000	4.280	6.600	4.310	3.830	2.350
9	7.180	12.400	17.400	12.100	7.720	5.400	26.800	4.250	5.850	3.780	3.590	2.580
10	18.400	11.500	13.800	9.860	7.510	5.460	22.500	5.940	4.820	3.280	3.850	3.080
11	13.400	9.860	12.000	8.700	14.200	5.100	19.100	6.600	4.120	2.830	4.540	3.020
12	8.780	8.460	11.300	8.580	49.200	4.880	16.800	6.720	3.660	2.890	4.380	8.000
13	6.720	7.100	19.400	8.550	36.000	4.820	15.300	4.740	4.020	3.230	3.760	39.400
14	5.700	6.360	29.800	8.320	22.400	4.180	14.600	11.200	5.160	3.760	3.260	35.400
15	5.700	6.270	21.600	8.280	17.100	4.250	13.800	10.100	6.520	5.940	2.930	21.900
16	5.000	6.840	17.200	8.360	14.700	4.760	13.000	8.430	11.800	6.660	4.230	15.300
17	4.400	7.680	14.600	6.980	13.100	4.760	12.800	7.840	10.600	5.190	4.460	11.700
18	3.700	7.360	13.300	6.510	12.500	4.880	12.900	7.510	10.200	3.950	3.300	9.980
19	3.300	7.570	12.000	6.810	13.000	4.820	12.400	7.360	11.900	3.520	2.790	9.180
20	2.900	6.660	10.100	6.570	12.800	4.600	11.900	6.810	10.300	3.490	14.400	15.200
21	3.000	6.060	8.820	6.300	10.900	4.150	10.600	6.360	9.100	3.260	16.700	42.400
22	2.760	5.700	8.430	6.060	9.380	4.250	9.220	6.300	8.430	2.870	11.300	27.300
23	2.870	5.190	7.060	5.940	9.380	4.600	8.580	8.700	7.360	2.790	8.700	19.000
24	3.420	5.700	6.810	4.790	8.780	4.490	7.060	10.900	6.810	2.620	7.140	15.000
25	6.500	6.840	6.090	4.070	8.080	4.460	6.420	11.600	13.900	2.180	5.790	11.600
26	13.000	8.080	5.970	4.540	8.460	4.410	6.540	10.600	15.500	2.310	4.760	9.740
27	10.500	7.330	6.660	4.900	8.940	3.970	7.140	8.860	10.800	2.580	4.200	9.500
28	8.460	9.160	6.980	5.430	8.040	3.680	7.140	7.880	9.010	3.190	3.850	8.820
29	7.100	50.100	10.500	6.420	7.100	5.100	8.000	6.540	7.570	3.080	3.370	8.400
30	6.240	33.000	16.400	6.450		9.400	7.100	6.000	6.450	3.660	4.020	8.400
31	5.490		14.000	5.940		27.600		6.450		6.330	4.880	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Century, Florida
Operated by U.S. Geological Survey

STATE Florida

MAJOR Basin Southeast

SUB BASIN Perdido-Escambia River

STATION LOCATION Escambia River at Century, Florida

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.870	13.800	5.050	5.160	12.300	12.600	24.000	5.460	3.360	2.140	3.880	2.000
2	2.540	13.500	4.870	5.110	11.200	11.500	31.900	5.180	3.010	2.020	3.460	2.110
3	2.370	13.000	4.470	5.910	10.700	12.900	40.800	4.900	3.380	1.900	3.060	2.090
4	2.190	12.100	4.190	7.160	11.200	15.600	59.600	4.710	4.070	2.120	3.570	2.140
5	2.110	11.000	4.070	7.110	13.900	16.800	74.300	4.640	3.900	2.680	4.110	2.020
6	2.240	10.500	3.870	6.280	16.500	17.000	76.000	4.840	3.560	3.160	3.510	1.880
7	4.180	10.400	3.760	6.860	18.400	15.400	71.500	8.120	3.150	2.810	3.230	1.700
8	5.350	10.400	3.630	7.820	18.600	13.300	66.800	12.700	2.940	2.280	3.200	1.640
9	4.920	9.440	3.530	8.130	18.200	11.400	59.400	13.800	2.660	2.460	2.960	1.770
10	5.210	7.900	3.490	7.830	17.200	10.000	50.800	13.200	2.400	2.450	2.570	2.080
11	7.960	6.920	3.440	7.270	16.400	9.150	42.000	11.900	2.390	3.480	2.610	2.200
12	8.610	6.500	5.450	7.110	15.400	8.490	33.700	11.200	2.230	2.780	2.890	1.950
13	7.310	6.050	10.300	6.500	14.800	8.680	25.300	11.000	2.110	2.220	3.480	1.840
14	7.420	5.700	11.900	5.960	14.600	8.610	19.300	10.000	2.010	2.560	3.680	1.820
15	11.000	5.160	11.200	5.940	14.000	8.840	14.400	8.040	1.960	3.020	4.340	2.170
16	12.900	4.700	9.590	6.130	13.000	9.460	11.100	6.430	1.880	3.680	4.360	14.700
17	13.700	4.360	7.990	6.320	11.400	11.100	9.470	5.290	1.900	4.940	4.050	30.000
18	13.500	4.250	8.360	9.170	9.990	12.900	9.790	4.750	1.990	5.230	3.420	21.000
19	12.700	4.250	8.660	13.100	9.560	13.800	10.200	4.540	2.020	5.850	3.420	10.100
20	11.800	4.310	8.030	14.900	9.170	13.800	9.720	4.260	2.040	5.880	3.540	5.610
21	11.400	4.070	7.140	14.800	8.790	13.100	8.510	3.980	2.050	5.700	3.650	3.940
22	11.000	3.750	6.440	14.600	10.200	11.600	7.860	3.830	2.190	4.110	3.900	3.270
23	9.700	3.600	6.040	14.100	13.000	10.300	7.790	3.990	2.320	3.580	3.790	2.840
24	7.900	3.790	5.680	13.400	14.300	8.760	7.420	3.630	2.210	3.360	3.680	2.500
25	6.790	4.230	5.180	12.600	15.000	7.670	6.860	3.430	2.700	3.220	3.100	2.270
26	5.830	4.040	4.800	11.900	14.700	7.360	6.410	3.630	3.260	2.740	2.700	2.250
27	5.280	3.930	4.500	10.400	14.300	7.310	6.160	3.990	3.000	2.520	2.750	2.590
28	4.830	5.100	4.510	8.270	13.500	7.960	5.930	4.320	2.630	3.040	2.670	3.620
29	6.150	6.540	5.020	8.230	12.900	8.850	6.100	3.790	2.150	3.620	2.500	4.280
30	10.500	5.850	5.280	10.400		12.600	5.780	3.540	2.030	3.170	2.290	4.200
31	13.200		5.200	12.000		18.100		3.580		3.360	2.110	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at St. Lawrence River - International Rapids Section
(St. Lawrence Power Pool)
Supplied by U.S. Army Corps of Engineers

STATE: New York

MAJOR BASIN: Northeast

SUB BASIN: St. Lawrence River

STATION LOCATION: St. Lawrence River at Massena, New York

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	202.000	205.000	203.000	208.000	217.000	215.000	220.000	255.000	267.000	271.000	273.000	246.000
2	202.000	205.000	203.000	208.000	217.000	215.000	220.000	256.000	268.000	271.000	273.000	248.000
3	202.000	205.000	204.000	208.000	208.000	225.000	220.000	256.000	267.000	271.000	273.000	247.000
4	202.000	205.000	203.000	209.000	208.000	225.000	226.000	256.000	267.000	272.000	269.000	247.000
5	202.000	205.000	206.000	208.000	208.000	225.000	226.000	259.000	267.000	273.000	268.000	246.000
6	202.000	205.000	205.000	208.000	208.000	225.000	226.000	259.000	267.000	271.000	269.000	245.000
7	202.000	205.000	205.000	212.000	208.000	225.000	230.000	259.000	267.000	270.000	269.000	247.000
8	202.000	205.000	205.000	212.000	208.000	225.000	236.000	259.000	268.000	270.000	269.000	232.000
9	202.000	205.000	205.000	212.000	208.000	225.000	236.000	258.000	268.000	270.000	269.000	235.000
10	202.000	206.000	205.000	209.000	208.000	225.000	236.000	259.000	269.000	270.000	268.000	234.000
11	202.000	205.000	205.000	193.000	208.000	225.000	236.000	259.000	268.000	270.000	260.000	232.000
12	202.000	205.000	205.000	195.000	208.000	225.000	240.000	262.000	268.000	270.000	261.000	235.000
13	202.000	205.000	205.000	192.000	208.000	225.000	240.000	265.000	268.000	270.000	261.000	233.000
14	202.000	205.000	205.000	190.000	207.000	225.000	242.000	263.000	268.000	275.000	260.000	233.000
15	202.000	205.000	205.000	190.000	209.000	225.000	243.000	261.000	272.000	274.000	261.000	230.000
16	202.000	205.000	204.000	195.000	208.000	225.000	242.000	264.000	288.000	274.000	261.000	230.000
17	202.000	205.000	210.000	198.000	208.000	225.000	242.000	264.000	288.000	274.000	261.000	229.000
18	202.000	205.000	210.000	198.000	210.000	225.000	243.000	263.000	288.000	275.000	255.000	227.000
19	202.000	204.000	210.000	202.000	213.000	220.000	242.000	264.000	288.000	275.000	254.000	230.000
20	202.000	203.000	210.000	207.000	211.000	219.000	243.000	264.000	288.000	275.000	254.000	229.000
21	202.000	203.000	210.000	210.000	211.000	221.000	252.000	263.000	288.000	280.000	255.000	229.000
22	202.000	203.000	210.000	212.000	213.000	220.000	252.000	265.000	288.000	279.000	255.000	226.000
23	205.000	203.000	210.000	215.000	212.000	220.000	253.000	263.000	294.000	280.000	255.000	227.000
24	205.000	203.000	210.000	215.000	212.000	220.000	252.000	265.000	295.000	280.000	255.000	226.000
25	205.000	203.000	213.000	215.000	215.000	220.000	251.000	262.000	294.000	279.000	253.000	226.000
26	205.000	203.000	213.000	215.000	215.000	216.000	251.000	267.000	295.000	280.000	254.000	227.000
27	205.000	203.000	213.000	215.000	215.000	215.000	252.000	267.000	294.000	279.000	253.000	226.000
28	205.000	203.000	213.000	217.000	215.000	217.000	256.000	266.000	295.000	273.000	253.000	226.000
29	205.000	203.000	213.000	217.000	215.000	216.000	257.000	266.000	293.000	273.000	254.000	225.000
30	205.000	203.000	213.000	217.000		216.000	256.000	264.000	267.000	273.000	254.000	225.000
31	205.000		213.000	217.000		216.000		266.000		272.000	253.000	

Rivers of Great Lakes System

Mean Monthly Flow

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION
Supplied by U.S. Army Corps of Engineers
U.S. Lake Survey

1959-60	St. Marys	St. Clair	Detroit	Niagara	St. Lawrence
October	112.000	170.000	174.000	179.000	203.000
November	118.000	172.000	177.000	185.000	204.000
December	89.000	170.000	178.000	184.000	208.000
January	74.000	172.000	183.000	194.000	207.000
February	72.000	141.000	150.000	191.000	211.000
March	69.000	160.000	167.000	184.000	222.000
April	66.000	174.000	186.000	194.000	242.000
May	68.000	187.000	190.000	209.000	262.000
June	111.000	195.000	200.000	213.000	278.000
July	115.000	201.000	202.000	210.000	268.000
August	105.000	203.000	204.000	203.000	255.000
September	103.000	202.000	204.000	201.000	228.000

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Green Island, New York
Operated by U.S. Geological Survey

STATE: New York

MAJOR BASIN: Northeast

SUB BASIN: Lower Hudson River

STATION LOCATION: Hudson River below Poughkeepsie, New York

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	5.070	12.900	42.900	15.900	11.300	13.100	103.000	25.300	14.900	7.890	6.700	5.560
2	6.660	14.200	32.800	14.500	10.900	12.000	80.800	22.900	17.100	7.200	5.430	5.650
3	8.940	14.600	29.100	23.300	11.000	11.000	66.600	18.300	13.700	6.450	6.970	4.620
4	6.800	14.800	26.500	51.500	9.780	10.500	111.000	18.100	14.100	5.020	7.280	3.060
5	5.040	14.100	23.100	37.200	8.950	10.600	132.000	13.600	11.100	6.900	7.200	1.480
6	5.460	21.200	22.200	27.800	9.110	10.500	104.000	13.600	12.100	8.610	6.480	2.140
7	6.890	35.000	29.200	23.500	9.580	11.000	65.200	11.900	12.100	7.960	5.460	5.190
8	13.400	32.500	43.700	20.900	9.950	11.500	49.600	9.650	9.080	7.040	4.410	5.580
9	13.400	23.700	34.100	18.600	11.000	10.900	41.200	8.760	8.730	5.840	6.750	5.520
10	13.000	20.200	31.100	15.400	11.000	10.300	34.900	10.200	7.960	4.270	7.750	4.420
11	11.000	15.700	28.600	13.900	24.800	9.830	30.000	9.530	4.890	4.590	8.030	3.180
12	9.470	14.400	27.700	13.900	64.300	10.000	27.500	10.500	4.590	7.860	7.500	14.000
13	7.240	13.300	45.400	13.900	45.500	9.070	29.500	12.600	4.760	8.100	6.620	63.100
14	6.210	12.700	48.400	13.500	32.200	9.480	30.000	14.100	6.120	7.360	4.820	30.200
15	5.240	16.000	39.500	14.000	25.600	9.780	33.400	14.400	10.500	7.460	3.620	20.500
16	5.530	15.400	33.200	14.000	23.300	9.200	45.700	14.800	15.600	7.570	6.170	13.500
17	5.240	18.500	29.800	14.000	21.200	9.380	48.100	13.300	12.200	4.850	6.420	12.000
18	4.820	21.700	27.800	13.700	21.300	9.780	46.000	14.500	16.100	4.250	6.090	12.900
19	4.830	16.800	25.500	13.700	21.700	9.780	51.800	15.200	13.800	5.910	5.860	5.990
20	6.090	16.600	21.800	13.400	20.700	8.890	44.700	13.900	11.100	6.760	5.400	12.500
21	6.340	14.000	18.900	13.400	18.200	9.780	32.400	11.500	12.100	6.670	3.570	22.200
22	5.240	12.800	19.200	13.000	16.900	9.550	26.700	9.240	9.630	6.940	3.300	14.000
23	5.780	11.600	16.300	12.700	15.700	9.350	29.100	8.720	9.470	5.800	6.560	11.900
24	7.960	11.800	14.300	11.800	15.000	9.070	43.700	14.600	8.960	5.860	6.120	9.480
25	20.000	19.300	13.800	12.100	14.800	8.840	49.000	19.600	9.170	4.020	6.300	8.360
26	27.500	21.800	14.000	11.600	14.300	8.380	46.800	19.000	11.700	7.000	5.980	5.650
27	22.800	18.300	14.400	11.800	14.600	7.560	44.700	19.800	9.750	6.110	4.510	7.040
28	17.400	18.400	16.400	11.800	13.800	9.700	40.500	15.500	8.930	5.650	3.270	6.950
29	13.900	94.400	17.800	11.600	13.100	13.900	32.200	14.300	8.770	5.730	2.980	6.020
30	13.300	58.400	18.500	11.400		25.200	26.900	12.000	8.180	7.050	5.540	7.850
31	11.700		17.000	11.000		74.700		13.000		8.830	5.370	

STREAM FLOW DATA - 1959-1950

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Kingston Mines, Illinois
Operated by U.S. Geological Survey

STATE: Illinois

MAJOR BASIN: Upper Mississippi River

SUB BASIN: Illinois River

STATION LOCATION: Illinois River at Peoria, Illinois

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	8.280	8.480	12.000	23.200	21.600	18.000	46.300	29.900	21.500	20.600	8.180	6.730
2	6.660	8.200	12.000	22.900	21.200	17.800	49.500	28.700	20.800	18.700	7.920	6.730
3	5.810	7.980	12.000	23.500	20.600	17.100	49.800	28.400	20.200	18.900	8.000	6.570
4	5.620	10.100	11.700	22.900	20.900	16.100	48.000	28.200	19.700	19.600	10.300	6.340
5	6.320	15.200	11.900	22.000	20.200	11.300	48.200	27.800	19.200	19.100	13.400	6.340
6	7.500	17.400	11.800	20.800	20.200	10.300	46.400	27.000	18.800	19.600	13.500	6.030
7	8.870	18.900	11.600	20.100	20.300	10.300	45.300	26.000	18.200	19.600	13.500	6.030
8	11.700	19.100	10.400	19.700	20.800	9.900	43.900	26.000	18.300	19.100	12.200	5.770
9	12.700	16.000	9.470	19.500	23.000	9.890	42.900	25.700	18.600	18.000	9.840	5.700
10	12.800	10.600	10.200	19.600	25.900	10.000	40.400	25.900	18.600	17.900	8.750	5.870
11	13.700	12.300	11.200	18.700	25.700	10.000	38.200	25.600	17.500	17.900	8.210	6.100
12	13.900	17.600	12.200	17.500	25.800	10.000	38.400	24.400	17.700	17.800	7.780	6.420
13	14.100	20.800	12.400	19.700	26.400	10.000	37.000	24.100	18.600	16.600	7.550	6.920
14	13.900	19.400	12.800	23.000	27.600	10.000	36.000	23.200	18.600	16.000	7.310	6.240
15	11.000	15.600	14.700	26.300	28.000	9.500	35.400	22.400	19.500	12.900	7.310	5.790
16	9.680	14.100	15.200	28.300	27.800	9.500	34.700	22.200	19.500	9.430	7.420	5.380
17	9.900	14.100	15.100	30.100	28.000	9.500	36.400	22.000	21.000	8.810	6.980	5.550
18	9.860	14.000	18.400	31.900	27.500	9.500	38.600	21.800	23.600	8.310	7.110	5.600
19	9.930	14.100	19.300	32.100	26.200	9.500	39.800	21.700	24.000	8.240	7.310	5.600
20	9.200	14.600	17.700	30.500	24.000	10.000	40.900	22.000	25.000	9.200	11.300	5.540
21	9.050	14.100	13.800	29.100	22.200	10.000	41.700	22.300	25.400	8.830	11.400	5.600
22	9.100	13.800	12.000	27.600	21.800	10.000	40.600	22.600	25.100	8.200	11.700	5.950
23	8.870	13.600	12.300	24.800	21.600	10.000	39.800	22.300	24.500	[illegible]50	10.100	6.350
24	8.630	13.100	12.100	23.000	21.300	9.500	39.200	22.800	23.700	7.700	7.230	6.580
25	8.370	13.000	12.300	22.600	20.300	9.500	38.600	22.300	23.700	7.510	6.900	6.530
26	7.680	13.000	11.600	22.200	19.100	9.500	37.600	22.200	23.700	7.860	6.640	6.480
27	8.720	13.000	12.500	22.300	18.600	10.800	36.200	22.100	23.400	8.170	6.290	6.480
28	11.200	12.500	14.400	23.300	18.500	15.700	34.600	22.100	22.800	8.350	6.060	6.310
29	13.100	12.500	19.400	23.200	18.200	24.400	31.400	21.900	22.200	8.570	6.200	6.280
30	11.300	12.500	22.200	22.400		30.600	30.300	21.600	21.500	8.090	6.210	6.120
31	8.750		22.900	22.000		42.500		21.600		8.070	6.520	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Charleston, West Virginia
Operated by U.S. Geological Survey

STATE: West Virginia

MAJOR BASIN: Ohio River

SUB BASIN: Kanawha River

STATION LOCATION: Kanawha River at Winfield Dam, West Virginia

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	14.500	7.910	17.200	20.600	14.300	20.700	94.200	10.200	11.800	11.900	4.640	2.840
2	32.000	7.910	17.200	17.800	14.300	20.700	64.000	10.200	11.800	11.900	4.640	2.840
3	32.500	7.910	17.200	25.400	14.300	20.700	43.100	10.200	11.800	11.900	4.640	2.840
4	20.000	7.910	17.200	37.500	14.300	20.700	61.300	10.200	11.800	11.900	4.640	2.840
5	12.200	7.910	17.200	35.400	14.300	20.700	80.400	10.200	11.800	11.900	4.640	2.840
6	5.340	9.880	13.700	29.900	19.600	11.700	88.000	10.100	8.390	5.820	7.320	2.880
7	5.340	9.880	13.700	23.300	40.400	11.700	94.700	9.340	8.390	5.820	7.320	2.880
8	5.340	9.880	13.700	21.200	37.600	11.700	87.600	10.200	8.390	5.820	7.320	2.880
9	5.340	9.880	13.700	19.300	32.300	11.700	77.700	27.500	8.390	5.820	7.320	2.880
10	5.340	9.880	13.700	16.600	26.600	11.700	58.700	40.700	8.390	5.820	7.320	2.880
11	5.800	5.910	12.500	12.000	31.700	11.000	56.400	30.800	5.530	4.420	7.270	9.950
12	5.800	5.910	19.900	13.500	46.100	11.000	54.000	24.900	5.530	4.420	7.270	9.950
13	5.800	5.910	50.800	16.600	42.600	11.000	45.800	21.000	5.530	4.420	7.270	9.950
14	5.800	5.910	55.200	20.900	33.800	11.000	39.200	17.900	5.530	4.420	7.270	9.950
15	5.800	5.910	38.600	30.400	29.500	11.000	22.300	15.900	5.530	4.420	7.270	9.950
16	10.000	5.940	28.800	41.100	25.400	21.700	12.200	12.800	5.740	4.510	5.360	7.630
17	10.000	5.940	22.300	41.000	23.800	21.700	12.200	12.800	5.740	4.510	5.360	7.630
18	10.000	5.940	20.000	26.400	27.500	21.700	12.200	12.800	5.740	4.510	5.360	7.630
19	10.000	5.940	22.300	23.100	32.700	21.700	12.200	12.800	5.740	4.510	5.360	7.630
20	10.000	5.940	32.200	25.700	31.500	21.700	12.200	12.800	5.740	4.510	5.360	7.630
21	6.150	6.420	30.000	15.000	22.500	21.000	10.500	6.900	5.360	5.150	4.150	6.480
22	6.150	6.420	24.200	15.000	19.900	21.000	10.500	6.900	5.360	5.150	4.150	6.480
23	6.150	6.420	20.500	15.000	20.000	21.000	10.500	6.900	5.360	5.150	4.150	6.480
24	6.150	6.420	20.500	15.000	19.200	21.000	10.500	6.900	5.360	5.150	4.150	6.480
25	6.150	29.100	15.600	15.000	18.900	21.000	10.500	6.900	5.360	5.150	4.150	6.480
26	10.100	38.800	14.700	14.200	33.300	25.400	10.200	8.450	6.320	4.430	3.640	2.830
27	10.100	30.000	14.700	14.200	31.500	32.600	10.200	8.450	6.320	4.430	3.640	2.830
28	10.100	39.600	14.700	14.200	24.900	43.800	10.200	8.450	6.320	4.430	3.640	2.830
29	10.100	44.800	14.700	14.200	20.500	74.900	10.200	26.300	6.320	4.430	3.640	2.830
30	10.100	32.100	14.700	14.200		101.000	10.200	22.000	6.320	4.430	3.640	2.830
31	10.100		14.700	14.200		127.000		17.700		4.430	3.640	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Lowell, Massachusetts
Operated by U.S. Geological Survey

STATE: Massachusetts

MAJOR BASIN: Northeast

SUB BASIN: Merrimac River

STATION LOCATION: Merrimac River at Lowell, Massachusetts

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	1.500	8.420	27.700	7.380	6.300	8.700	30.500	15.200	8.830	3.120	4.590	1.740
2	1.870	9.460	19.800	6.400	6.340	7.500	44.900	14.300	9.460	2.740	5.290	1.590
3	1.580	10.200	15.900	7.780	6.340	8.380	46.200	15.000	9.420	2.470	4.210	1.060
4	1.170	9.170	14.000	12.400	6.340	7.310	43.900	14.100	10.200	2.710	3.240	1.010
5	2.140	8.420	12.500	17.900	6.260	7.270	57.500	12.200	10.000	3.390	2.810	1.120
6	2.350	7.270	10.800	17.600	6.810	8.260	77.200	11.500	10.300	3.330	2.040	1.860
7	2.600	8.260	11.300	15.100	7.860	8.060	66.100	9.710	10.700	2.940	1.500	1.820
8	4.370	9.920	14.700	13.400	8.700	8.700	52.400	8.910	9.540	2.970	2.850	1.790
9	5.500	12.100	17.600	11.900	8.790	8.220	44.900	9.500	8.140	2.740	2.860	2.000
10	5.190	11.100	15.500	9.210	8.830	7.400	36.600	11.000	7.000	1.560	2.910	1.410
11	4.920	9.840	13.500	8.910	9.380	6.800	29.600	14.600	5.910	2.380	2.990	.859
12	4.940	8.750	12.000	8.300	11.600	6.660	27.100	16.300	4.890	2.220	2.880	3.940
13	4.530	8.100	14.500	8.340	14.500	7.100	27.400	17.200	4.760	2.210	2.500	14.600
14	4.370	7.380	25.000	8.540	14.500	6.740	28.900	18.800	4.890	2.510	2.080	22.100
15	3.520	7.040	26.000	8.220	13.000	6.960	29.700	18.900	4.560	2.660	2.600	19.000
16	2.830	10.600	20.000	7.940	12.800	7.340	30.400	18.000	7.340	2.960	2.650	13.400
17	2.500	12.100	17.000	7.000	12.000	7.340	32.700	19.400	11.300	2.280	2.700	9.250
18	1.770	10.700	15.200	7.190	11.000	7.270	31.700	18.100	10.600	3.090	2.630	5.400
19	2.760	9.750	13.900	7.540	11.600	7.420	30.100	15.100	8.180	2.920	2.620	5.230
20	3.100	9.460	12.500	7.340	12.500	6.700	29.400	13.100	6.340	2.760	1.640	5.740
21	3.020	8.420	11.000	7.270	12.000	7.120	25.000	11.800	4.890	2.900	1.120	8.180
22	2.660	7.340	10.000	7.230	11.500	7.420	20.400	10.300	4.300	2.840	2.450	8.790
23	2.640	7.000	9.000	6.930	10.500	7.270	18.000	9.460	4.110	1.840	2.470	8.360
24	3.230	7.040	8.000	6.400	10.200	7.000	18.000	9.670	3.950	1.690	2.400	6.700
25	13.000	9.460	7.190	6.550	9.900	6.850	18.300	13.700	3.270	2.430	2.320	4.660
26	26.900	16.900	7.980	6.480	9.840	6.300	21.300	18.400	4.110	2.400	2.220	5.160
27	27.300	21.100	7.820	6.520	10.100	5.770	22.700	17.700	4.720	2.410	1.540	4.950
28	25.300	18.000	7.900	6.740	9.920	5.500	21.400	14.900	4.140	2.420	.948	4.460
29	24.000	22.900	7.900	6.740	9.250	7.120	19.400	12.100	3.950	1.810	1.780	4.590
30	21.400	31.200	8.620	6.700		8.750	17.500	10.300	3.800	1.380	1.770	4.430
31	12.800		8.540	6.590		13.400		9.460		1.390	1.730	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Red River Landing, Louisiana
Operated by U.S. Geological Survey

STATE: Louisiana

MAJOR BASIN: Southwest-Lower Mississippi River

SUB BASIN: Lower Mississippi-Natchez to Gulf

STATION LOCATION: Mississippi River at New Orleans, Louisiana

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	130.000	284.000	223.000	623.000	660.000	628.000	540.000	725.000	593.000	398.000	293.000	206.000
2	133.000	274.000	223.000	610.000	631.000	624.000	540.000	684.000	581.000	411.000	302.000	207.000
3	149.000	268.000	226.000	598.000	604.000	631.000	533.000	646.000	570.000	432.000	297.000	207.000
4	181.000	266.000	239.000	584.000	588.000	613.000	532.000	608.000	559.000	452.000	287.000	207.000
5	203.000	268.000	256.000	568.000	571.000	600.000	549.000	561.000	548.000	469.000	274.000	205.000
6	224.000	266.000	268.000	565.000	548.000	592.000	571.000	507.000	541.000	483.000	261.000	205.000
7	245.000	266.000	280.000	564.000	530.000	574.000	589.000	500.000	550.000	492.000	246.000	205.000
8	297.000	268.000	293.000	559.000	517.000	556.000	610.000	501.000	551.000	499.000	235.000	203.000
9	322.000	278.000	305.000	556.000	508.000	539.000	651.000	504.000	530.000	503.000	220.000	202.000
10	358.000	286.000	311.000	554.000	509.000	545.000	680.000	512.000	484.000	506.000	209.000	205.000
11	402.000	302.000	311.000	551.000	512.000	574.000	702.000	535.000	483.000	508.000	206.000	212.000
12	438.000	313.000	313.000	547.000	525.000	579.000	722.000	543.000	489.000	515.000	205.000	217.000
13	458.000	316.000	316.000	534.000	534.000	580.000	737.000	548.000	496.000	530.000	206.000	219.000
14	482.000	324.000	316.000	516.000	538.000	580.000	751.000	554.000	484.000	540.000	211.000	220.000
15	478.000	320.000	322.000	503.000	540.000	578.000	765.000	559.000	441.000	540.000	217.000	214.000
16	504.000	318.000	338.000	485.000	554.000	573.000	770.000	546.000	433.000	517.000	220.000	205.000
17	507.000	311.000	389.000	506.000	569.000	553.000	771.000	552.000	427.000	504.000	217.000	198.000
18	511.000	300.000	434.000	529.000	580.000	539.000	773.000	552.000	412.000	476.000	213.000	193.000
19	511.000	295.000	433.000	541.000	587.000	525.000	778.000	552.000	390.000	446.000	212.000	191.000
20	508.000	280.000	449.000	554.000	591.000	513.000	783.000	552.000	376.000	420.000	213.000	190.000
21	500.000	272.000	472.000	573.000	596.000	507.000	799.000	564.000	373.000	397.000	213.000	188.000
22	482.000	264.000	500.000	595.000	600.000	504.000	825.000	565.000	374.000	379.000	215.000	186.000
23	456.000	253.000	525.000	614.000	604.000	504.000	824.000	568.000	389.000	364.000	218.000	185.000
24	426.000	241.000	553.000	630.000	610.000	499.000	817.000	571.000	399.000	351.000	222.000	185.000
25	402.000	244.000	580.000	645.000	622.000	491.000	812.000	571.000	408.000	335.000	214.000	185.000
26	380.000	244.000	601.000	670.000	644.000	502.000	777.000	594.000	411.000	315.000	212.000	186.000
27	362.000	244.000	618.000	697.000	651.000	518.000	768.000	623.000	410.000	298.000	209.000	187.000
28	342.000	239.000	631.000	724.000	651.000	521.000	768.000	641.000	392.000	283.000	204.000	185.000
29	322.000	234.000	638.000	718.000	637.000	519.000	780.000	643.000	379.000	272.000	196.000	183.000
30	302.000	231.000	641.000	712.000		516.000	761.000	630.000	381.000	268.000	196.000	180.000
31	297.000		634.000	686.000		536.000		609.000		277.000	203.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Vicksburg, Mississippi
Operated by U.S. Geological Survey

STATE: Louisiana

MAJOR BASIN: Southwest-Lower Mississippi River

SUB BASIN: Lower Mississippi-Yazoo Rivers

STATION LOCATION: Mississippi River at Delta, Louisiana

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	173.000	337.000	301.000	730.000	803.000	747.000	653.000	907.000	821.000	587.000	381.000	283.000
2	200.000	328.000	310.000	710.000	757.000	733.000	665.000	857.000	796.000	625.000	368.000	283.000
3	245.000	320.000	320.000	691.000	714.000	717.000	678.000	803.000	771.000	650.000	359.000	278.000
4	280.000	322.000	335.000	668.000	681.000	691.000	697.000	747.000	754.000	671.000	345.000	273.000
5	308.000	331.000	352.000	662.000	650.000	675.000	730.000	700.000	747.000	694.000	331.000	277.000
6	348.000	337.000	378.000	659.000	628.000	662.000	771.000	665.000	754.000	717.000	305.000	277.000
7	389.000	342.000	398.000	662.000	607.000	653.000	817.000	659.000	757.000	730.000	275.000	275.000
8	460.000	348.000	411.000	662.000	595.000	650.000	853.000	653.000	754.000	740.000	257.000	285.000
9	520.000	375.000	418.000	656.000	584.000	656.000	889.000	668.000	740.000	747.000	248.000	295.000
10	556.000	398.000	427.000	653.000	581.000	668.000	914.000	704.000	723.000	757.000	245.000	303.000
11	588.000	414.000	430.000	643.000	581.000	684.000	940.000	733.000	704.000	771.000	248.000	308.000
12	612.000	416.000	432.000	634.000	590.000	687.000	955.000	757.000	675.000	774.000	253.000	308.000
13	631.000	414.000	434.000	628.000	613.000	687.000	970.000	771.000	650.000	774.000	265.000	298.000
14	656.000	411.000	436.000	622.000	640.000	681.000	989.000	782.000	622.000	740.000	270.000	283.000
15	669.000	407.000	441.000	622.000	668.000	665.000	1000.000	792.000	590.000	720.000	275.000	272.000
16	672.000	402.000	448.000	616.000	691.000	650.000	1011.000	799.000	564.000	694.000	277.000	262.000
17	666.000	396.000	460.000	616.000	707.000	631.000	1027.000	803.000	553.000	656.000	277.000	262.000
18	659.000	383.000	477.000	634.000	723.000	613.000	1038.000	803.000	539.000	601.000	277.000	262.000
19	650.000	375.000	505.000	656.000	737.000	601.000	1049.000	803.000	528.000	547.000	277.000	261.000
20	628.000	369.000	542.000	678.000	747.000	592.000	1065.000	799.000	525.000	512.000	275.000	259.000
21	603.000	352.000	579.000	704.000	757.000	584.000	1080.000	803.000	531.000	492.000	273.000	256.000
22	570.000	340.000	609.000	737.000	774.000	584.000	1096.000	806.000	539.000	477.000	275.000	254.000
23	539.000	331.000	643.000	771.000	782.000	590.000	1104.000	817.000	555.000	455.000	270.000	254.000
24	513.000	328.000	679.000	810.000	785.000	601.000	1100.000	842.000	578.000	427.000	264.000	254.000
25	484.000	324.000	712.000	849.000	792.000	610.000	1100.000	875.000	584.000	399.000	265.000	261.000
26	458.000	315.000	736.000	871.000	788.000	619.000	1076.000	896.000	567.000	381.000	264.000	262.000
27	434.000	310.000	758.000	885.000	788.000	628.000	1053.000	911.000	544.000	365.000	264.000	259.000
28	407.000	303.000	776.000	889.000	782.000	637.000	1023.000	903.000	536.000	352.000	261.000	254.000
29	383.000	296.000	780.000	885.000	774.000	643.000	985.000	889.000	534.000	359.000	259.000	249.000
30	361.000	294.000	765.000	867.000		650.000	951.000	867.000	558.000	377.000	265.000	246.000
31	346.000		744.000	839.000		653.000		849.000		384.000	277.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Memphis, Tennessee
Operated by U.S. Geological Survey

STATE: Arkansas

MAJOR BASIN: Southwest-Lower Mississippi River

SUB BASIN: Lower Mississippi-Cairo to Helena

STATION LOCATION: Mississippi River at West Memphis, Arkansas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	208.000	275.000	306.000	537.000	514.000	531.000	600.000	579.000	609.000	651.000	230.000	213.000
2	236.000	286.000	338.000	537.000	495.000	517.000	663.000	549.000	609.000	663.000	228.000	202.000
3	269.000	291.000	365.000	546.000	481.000	509.000	736.000	531.000	609.000	672.000	222.000	195.000
4	295.000	295.000	387.000	555.000	470.000	506.000	792.000	528.000	603.000	675.000	215.000	197.000
5	304.000	288.000	397.000	555.000	458.000	514.000	840.000	537.000	591.000	675.000	209.000	209.000
6	306.000	280.000	401.000	552.000	447.000	537.000	884.000	561.000	579.000	675.000	208.000	232.000
7	302.000	282.000	401.000	543.000	440.000	570.000	923.000	570.000	558.000	688.000	202.000	252.000
8	299.000	291.000	401.000	531.000	440.000	588.000	959.000	564.000	537.000	704.000	204.000	256.000
9	304.000	306.000	401.000	523.000	453.000	597.000	991.000	558.000	517.000	714.000	217.000	252.000
10	317.000	317.000	397.000	514.000	486.000	588.000	1021.000	561.000	498.000	707.000	230.000	248.000
11	358.000	319.000	394.000	509.000	520.000	570.000	1047.000	573.000	467.000	691.000	238.000	236.000
12	404.000	324.000	392.000	509.000	555.000	546.000	1073.000	591.000	427.000	660.000	242.000	222.000
13	442.000	322.000	382.000	517.000	579.000	514.000	1092.000	609.000	411.000	612.000	244.000	219.000
14	464.000	319.000	377.000	526.000	597.000	478.000	1108.000	630.000	406.000	543.000	240.000	222.000
15	478.000	313.000	394.000	531.000	615.000	445.000	1119.000	648.000	399.000	470.000	240.000	221.000
16	475.000	308.000	432.000	531.000	630.000	424.000	1129.000	660.000	394.000	429.000	234.000	221.000
17	445.000	299.000	478.000	549.000	648.000	411.000	1132.000	666.000	394.000	416.000	232.000	222.000
18	406.000	282.000	514.000	582.000	666.000	406.000	1132.000	666.000	411.000	416.000	226.000	222.000
19	370.000	271.000	540.000	627.000	669.000	411.000	1121.000	663.000	442.000	416.000	221.000	217.000
20	340.000	273.000	564.000	675.000	672.000	427.000	1094.000	660.000	475.000	392.000	208.000	219.000
21	315.000	275.000	597.000	723.000	672.000	447.000	1057.000	657.000	503.000	361.000	209.000	226.000
22	302.000	275.000	639.000	762.000	672.000	470.000	1005.000	657.000	512.000	338.000	206.000	236.000
23	295.000	269.000	675.000	785.000	675.000	492.000	963.000	657.000	495.000	319.000	208.000	232.000
24	286.000	258.000	704.000	799.000	669.000	514.000	907.000	657.000	467.000	306.000	209.000	226.000
25	271.000	246.000	717.000	792.000	657.000	526.000	854.000	654.000	445.000	293.000	208.000	221.000
26	258.000	242.000	707.000	765.000	639.000	531.000	806.000	648.000	442.000	277.000	209.000	217.000
27	246.000	246.000	688.000	733.000	612.000	531.000	755.000	633.000	456.000	260.000	217.000	213.000
28	240.000	254.000	657.000	685.000	585.000	537.000	707.000	621.000	498.000	254.000	228.000	209.000
29	246.000	273.000	621.000	639.000	555.000	543.000	657.000	615.000	573.000	248.000	232.000	200.000
30	254.000	288.000	582.000	591.000		552.000	615.000	615.000	627.000	240.000	230.000	193.000
31	265.000		555.000	549.000		564.000		612.000		234.000	224.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Thebes, Illinois
Operated by U.S. Geological Survey

STATE: Missouri

MAJOR BASIN: Upper Mississippi River

SUB BASIN: Mississippi-Cape Girardeau Area

STATION LOCATION: Mississippi River at Cape Girardeau, Missouri

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	226.000	150.000	102.000	196.000	156.000	113.000	463.000	351.000	389.000	300.000	109.000	106.000
2	239.000	146.000	92.000	211.000	152.000	110.000	489.000	372.000	377.000	326.000	105.000	125.000
3	223.000	139.000	89.200	215.000	146.000	107.000	515.000	391.000	360.000	339.000	103.000	143.000
4	208.000	138.000	90.900	212.000	142.000	104.000	539.000	407.000	345.000	364.000	102.000	162.000
5	199.000	144.000	92.700	197.000	142.000	103.000	568.000	405.000	330.000	387.000	101.000	165.000
6	198.000	144.000	95.700	181.000	150.000	102.000	595.000	395.000	316.000	395.000	97.800	156.000
7	221.000	144.000	99.700	157.000	161.000	97.800	623.000	404.000	305.000	376.000	105.000	147.000
8	282.000	149.000	100.000	127.000	173.000	96.800	669.000	413.000	292.000	342.000	115.000	138.000
9	337.000	163.000	99.500	111.000	187.000	97.700	675.000	436.000	286.000	316.000	122.000	132.000
10	352.000	173.000	98.600	111.000	194.000	94.500	675.000	461.000	285.000	294.000	125.000	127.000
11	354.000	179.000	97.600	118.000	191.000	89.800	680.000	472.000	290.000	266.000	122.000	123.000
12	358.000	169.000	101.000	122.000	190.000	89.100	681.000	481.000	284.000	240.000	115.000	118.000
13	356.000	158.000	112.000	123.000	190.000	92.100	673.000	484.000	275.000	225.000	112.000	114.000
14	326.000	152.000	107.000	133.000	182.000	95.300	647.000	483.000	266.000	221.000	119.000	107.000
15	278.000	148.000	101.000	184.000	175.000	98.900	614.000	472.000	256.000	244.000	117.000	102.000
16	240.000	142.000	97.800	236.000	171.000	98.400	582.000	446.000	263.000	255.000	110.000	101.000
17	207.000	135.000	103.000	286.000	165.000	96.100	545.000	419.000	287.000	231.000	101.000	102.000
18	184.000	128.000	127.000	327.000	159.000	97.400	519.000	391.000	309.000	200.000	96.500	102.000
19	176.000	121.000	138.000	352.000	155.000	104.000	510.000	375.000	308.000	181.000	98.500	99.600
20	170.000	113.000	128.000	358.000	148.000	111.000	511.000	374.000	284.000	170.000	98.500	91.600
21	160.000	102.000	127.000	355.000	136.000	124.000	512.000	377.000	257.000	163.000	101.000	89.400
22	153.000	96.500	129.000	334.000	129.000	133.000	506.000	380.000	235.000	154.000	101.000	89.400
23	144.000	97.900	129.000	276.000	132.000	133.000	493.000	375.000	233.000	141.000	105.000	98.200
24	132.000	98.200	126.000	217.000	133.000	128.000	475.000	377.000	242.000	134.000	126.000	105.000
25	126.000	101.000	120.000	173.000	129.000	137.000	456.000	379.000	251.000	132.000	137.000	104.000
26	121.000	103.000	115.000	140.000	124.000	163.000	435.000	386.000	286.000	132.000	133.000	98.900
27	118.000	102.000	112.000	127.000	119.000	178.000	407.000	396.000	317.000	128.000	127.000	97.900
28	135.000	101.000	111.000	119.000	115.000	194.000	379.000	405.000	310.000	126.000	119.000	101.000
29	144.000	103.000	116.000	122.000	113.000	240.000	361.000	403.000	280.000	126.000	108.000	110.000
30	145.000	105.000	125.000	133.000		333.000	351.000	407.000	282.000	126.000	99.900	119.000
31	148.000		161.000	148.000		417.000		403.000		120.000	101.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Alton, Illinois
Operated by U.S. Geological Survey

STATE: Illinois

MAJOR BASIN: Upper Mississippi River

SUB BASIN: Mississippi River-St. Louis Area

STATION LOCATION: Mississippi River at East St. Louis, Illinois

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	122.000	84.900	52.900	125.000	99.600	70.300	261.000	242.000	271.000	228.000	52.600	68.300
2	110.000	85.500	57.500	125.000	96.800	68.800	285.000	238.000	258.000	238.000	52.100	64.600
3	104.000	87.000	58.400	123.000	97.200	64.200	312.000	234.000	243.000	236.000	52.200	70.900
4	99.600	85.500	61.700	118.000	95.600	60.900	333.000	231.000	233.000	230.000	46.500	72.400
5	105.000	85.300	66.300	110.000	98.600	58.400	346.000	222.000	225.000	219.000	50.200	74.700
6	131.000	85.000	66.900	76.400	101.000	57.100	349.000	214.000	215.000	190.000	60.900	69.900
7	165.000	98.500	65.600	60.100	104.000	58.400	351.000	210.000	207.000	156.000	70.200	69.800
8	181.000	103.000	67.100	65.300	102.000	58.800	357.000	209.000	201.000	151.000	78.600	71.000
9	190.000	108.000	65.700	74.900	103.000	55.400	368.000	216.000	198.000	138.000	69.900	69.100
10	195.000	110.000	62.500	81.700	102.000	51.300	374.000	228.000	198.000	126.000	67.000	66.200
11	201.000	100.000	62.100	82.000	107.000	52.800	372.000	240.000	191.000	124.000	56.900	61.300
12	176.000	89.500	64.300	87.600	95.700	55.400	360.000	248.000	185.000	131.000	54.700	57.100
13	131.000	84.400	57.500	121.000	84.000	58.600	345.000	257.000	181.000	136.000	58.600	53.300
14	110.000	89.700	55.500	153.000	78.600	57.700	323.000	266.000	183.000	161.000	58.300	52.200
15	96.000	83.600	60.800	180.000	81.000	55.200	309.000	268.000	187.000	154.000	54.400	54.200
16	77.900	75.700	59.100	184.000	90.600	54.000	290.000	265.000	189.000	128.000	49.400	54.200
17	78.000	74.500	58.700	200.000	93.100	56.300	273.000	261.000	194.000	108.000	52.900	53.300
18	78.500	68.100	58.100	216.000	88.500	53.900	270.000	257.000	186.000	96.600	51.600	43.200
19	78.100	57.900	59.000	224.000	79.100	55.000	274.000	255.000	166.000	86.200	53.500	45.100
20	73.800	48.600	56.000	224.000	70.100	57.500	281.000	260.000	143.000	85.200	54.300	45.500
21	70.500	57.800	57.800	196.000	76.800	55.000	283.000	265.000	131.000	75.000	52.700	58.800
22	61.700	58.700	63.200	130.000	81.100	51.800	279.000	265.000	142.000	65.000	62.300	62.300
23	59.000	66.700	61.900	87.200	82.600	53.000	271.000	263.000	152.000	65.800	63.700	59.400
24	58.200	71.100	60.900	70.800	81.800	63.000	272.000	264.000	173.000	65.200	68.900	47.500
25	50.000	70.200	59.600	70.500	76.300	60.800	264.000	269.000	192.000	62.600	68.300	47.100
26	71.400	70.500	59.600	74.000	71.200	61.100	262.000	279.000	195.000	65.800	62.100	52.300
27	74.700	73.700	67.700	82.900	68.400	70.600	255.000	289.000	177.000	66.800	53.600	66.300
28	71.500	72.500	71.500	94.200	70.500	112.000	248.000	292.000	151.000	66.500	44.400	71.300
29	80.500	69.600	89.300	105.000	70.200	175.000	244.000	289.000	168.000	66.800	43.900	67.800
30	86.100	54.400	122.000	113.000		221.000	241.000	289.000	209.000	56.900	43.400	62.000
31	89.200		124.000	100.000		235.000		282.000		50.200	52.300	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Keokuk, Iowa
Operated by U.S. Geological Survey

STATE Iowa

MAJOR BASIN Upper Mississippi River

SUB BASIN Mississippi-Des Moines-Skunk Rivers

STATION LOCATION Mississippi River at Burlington, Iowa

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	76.200	73.700	39.800	90.400	61.500	40.800	211.000	140.000	152.000	95.400	37.400	51.700
2	79.000	74.100	40.900	91.200	60.100	40.500	229.000	137.000	152.000	88.000	34.400	54.500
3	78.600	71.000	43.200	92.600	60.300	40.000	270.000	136.000	147.000	88.900	28.200	56.200
4	81.400	74.000	46.200	76.600	59.800	40.400	290.000	136.000	144.000	83.900	29.900	57.100
5	97.200	77.900	49.400	52.300	58.700	38.600	284.000	137.000	145.000	82.000	32.200	60.200
6	125.000	82.400	49.200	37.000	57.800	36.400	254.000	140.000	149.000	85.300	37.700	58.500
7	139.000	88.500	49.400	43.300	58.000	36.500	231.000	149.000	149.000	81.000	42.800	60.400
8	136.000	95.400	50.600	52.200	56.400	36.300	214.000	156.000	145.000	77.000	42.900	59.700
9	124.000	89.800	47.300	53.900	60.000	35.500	196.000	171.000	138.000	72.600	37.300	55.200
10	112.000	82.400	47.100	56.300	57.700	35.500	178.000	188.000	130.000	71.200	37.000	52.500
11	90.300	73.800	48.200	61.800	44.500	35.500	163.000	205.000	130.000	65.500	38.200	48.900
12	77.600	71.100	46.000	81.900	46.100	34.800	148.000	210.000	139.000	63.200	37.400	45.600
13	73.800	71.400	40.600	124.000	44.300	34.100	132.000	207.000	150.000	71.800	35.500	44.300
14	65.000	61.700	41.400	137.000	46.800	36.100	128.000	201.000	154.000	70.600	33.400	44.000
15	53.800	55.000	39.800	158.000	46.500	35.000	137.000	198.000	145.000	68.000	37.100	42.700
16	52.800	59.600	39.200	176.000	45.600	35.900	147.000	199.000	127.000	64.100	34.200	38.700
17	56.100	53.200	38.400	177.000	45.600	35.100	151.000	204.000	115.000	56.700	34.900	34.100
18	54.100	40.600	39.400	160.000	45.200	35.400	152.000	201.000	95.500	53.600	35.500	31.200
19	53.500	33.400	36.400	140.000	45.500	33.900	155.000	201.000	86.700	53.800	36.300	35.500
20	50.600	40.000	35.600	109.000	45.600	35.000	161.000	201.000	86.600	47.900	35.300	40.500
21	45.700	42.100	37.100	80.500	44.800	36.500	168.000	205.000	89.700	46.800	37.100	52.000
22	42.600	44.900	39.600	50.200	42.200	35.800	172.000	205.000	90.500	44.200	42.000	47.600
23	40.900	48.400	40.500	50.000	39.700	36.600	171.000	196.000	106.000	43.900	41.100	36.800
24	40.500	53.400	42.200	54.300	40.800	36.300	170.000	184.000	94.200	42.500	39.700	34.100
25	56.600	53.600	42.400	55.700	41.500	37.600	166.000	181.000	76.500	41.000	38.400	39.300
26	57.000	56.000	42.900	58.800	40.700	37.300	161.000	173.000	71.600	41.600	35.500	49.400
27	57.000	59.100	44.600	61.300	40.800	39.000	155.000	169.000	72.400	43.300	33.500	49.500
28	59.400	49.700	50.200	62.200	40.900	53.200	150.000	162.000	71.600	39.200	28.800	49.700
29	71.500	37.200	77.700	60.900	40.400	82.400	145.000	156.000	85.000	31.600	31.200	47.800
30	71.200	36.300	86.000	61.300		132.000	146.000	154.000	85.100	31.500	35.800	47.400
31	70.200		89.600	61.500		190.000		153.000		34.000	47.900	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at McGregor, Iowa
Operated by U.S. Geological Survey

STATE: Iowa

MAJOR BASIN: Upper Mississippi River

SUB BASIN: Mississippi-Wapsipinicon & Trib.

STATION LOCATION: Mississippi River at Dubuque, Iowa

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	49.700	29.700	18.100	41.500	15.000	14.300	46.300	69.600	79.600	44.700	12.000	41.600
2	50.400	27.000	18.100	40.900	15.300	14.500	48.300	71.700	80.300	40.700	12.900	42.900
3	52.500	25.600	18.200	28.600	15.000	15.500	50.500	73.300	82.500	45.400	11.300	43.700
4	52.400	26.800	18.200	24.200	14.300	15.400	51.200	73.600	83.100	46.800	10.800	43.700
5	48.200	37.000	17.700	20.000	14.300	15.200	52.000	74.100	83.100	50.400	11.100	43.600
6	42.000	39.100	17.900	18.600	14.500	15.100	53.800	74.900	82.000	40.500	11.900	42.900
7	34.000	34.200	19.600	19.000	14.900	14.800	53.900	77.000	81.300	36.900	12.300	36.300
8	35.600	29.000	18.400	20.100	16.700	13.000	55.400	76.000	78.500	26.400	13.300	34.600
9	37.700	27.900	17.100	20.200	16.800	13.700	55.800	76.900	76.200	21.400	13.600	33.300
10	32.000	25.100	16.800	20.400	16.500	13.900	56.800	76.000	71.000	22.000	13.000	32.000
11	28.200	21.800	16.200	20.500	15.800	15.200	58.000	79.100	66.700	25.700	13.500	32.000
12	26.200	20.500	15.600	23.500	14.800	14.600	57.800	80.700	61.400	21.200	14.200	32.600
13	26.400	22.000	16.200	27.000	15.000	14.400	58.500	80.100	56.400	18.400	15.200	30.000
14	26.200	24.000	15.300	22.000	14.800	14.300	61.200	81.000	50.500	18.600	13.600	25.500
15	25.700	22.300	15.400	20.200	14.600	14.300	62.900	82.500	43.500	18.900	13.900	19.700
16	25.000	16.000	15.100	20.600	13.000	14.700	63.000	80.800	35.700	21.800	13.800	20.000
17	24.600	14.800	14.400	21.600	13.300	14.900	67.100	79.700	40.400	22.000	13.500	22.800
18	23.700	15.000	15.600	22.100	13.300	15.800	67.100	75.900	39.300	21.800	11.600	22.400
19	22.200	15.300	16.700	20.100	13.400	15.500	67.000	72.600	42.300	21.900	10.800	23.400
20	21.000	15.700	18.200	18.500	13.400	15.400	67.200	69.600	38.200	22.000	11.600	22.200
21	21.000	16.100	19.400	17.700	13.500	15.400	65.400	68.100	31.700	22.300	10.500	19.700
22	20.700	16.600	18.700	17.600	14.000	14.500	64.800	66.700	32.600	20.200	11.100	21.800
23	21.800	21.900	18.800	17.600	14.200	14.400	66.000	66.700	32.800	17.400	11.600	21.400
24	24.300	24.900	18.400	17.600	14.300	14.300	65.300	67.900	33.700	17.100	11.900	21.000
25	28.500	24.000	17.400	14.600	14.500	13.700	65.000	70.100	34.000	17.100	13.900	20.600
26	33.300	22.000	15.400	15.200	14.800	13.900	65.200	74.000	39.600	11.200	12.600	22.200
27	37.000	19.600	15.900	15.200	14.500	21.900	63.800	77.800	35.300	11.000	13.600	23.700
28	37.300	16.300	21.800	14.100	14.300	32.300	63.000	78.500	38.600	13.900	20.800	22.900
29	37.200	15.200	33.900	14.100	14.200	54.600	63.600	79.400	47.200	16.300	36.800	22.200
30	36.200	16.800	42.200	14.500		55.800	67.100	79.600	48.600	18.800	44.500	22.500
31	33.700		42.400	14.600		52.800		79.700		14.100	42.400	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Prescott, Wisconsin
Operated by U.S. Geological Survey

STATE: Minnesota

MAJOR BASIN: Upper Mississippi River

SUB BASIN: Upper Portion Upper Mississippi

STATION LOCATION: Mississippi River Lock Dam #3 below Minneapolis, Minnesota

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	9.720	9.600	6.070	9.570	6.710	5.650	26.100	38.700	51.700	17.000	5.540	12.600
2	10.700	10.000	7.750	10.500	6.420	5.410	28.600	41.700	49.300	16.100	5.340	13.300
3	11.600	10.700	8.300	10.300	6.620	5.570	32.400	41.100	47.600	15.500	6.110	13.700
4	11.700	11.600	7.720	8.500	6.300	5.580	36.600	39.800	45.400	16.100	5.380	13.300
5	10.700	11.200	7.950	6.910	6.820	5.560	41.000	38.500	42.200	16.300	6.050	12.100
6	10.600	10.100	7.590	7.520	7.440	5.510	43.400	37.200	39.200	14.000	5.910	11.400
7	10.700	10.100	6.800	8.510	6.840	5.510	44.100	36.600	35.700	13.500	4.540	11.300
8	11.500	8.940	5.970	9.000	6.830	5.490	45.500	35.700	31.600	13.700	5.550	13.100
9	11.700	8.660	6.370	8.870	6.460	5.480	46.300	34.600	28.800	13.000	3.980	12.400
10	10.100	8.480	6.970	9.270	6.290	5.600	46.300	34.000	25.000	12.400	3.500	10.700
11	9.290	7.750	5.940	9.050	5.900	5.810	45.400	32.400	23.000	12.000	3.530	10.900
12	9.900	8.630	6.440	9.240	5.630	5.720	44.000	30.900	20.900	11.000	5.420	9.900
13	9.970	6.700	8.210	9.500	5.500	5.560	43.100	28.600	19.400	12.400	6.180	9.210
14	10.900	5.180	7.380	9.710	5.770	5.570	41.700	26.900	17.700	11.400	5.070	8.950
15	10.800	6.560	7.320	8.730	5.960	5.630	40.500	25.500	16.700	11.600	5.920	9.060
16	9.090	5.530	7.380	8.890	6.480	5.520	41.100	23.800	17.400	12.400	7.780	9.990
17	9.710	6.030	7.480	8.400	6.070	5.460	42.200	22.600	17.600	12.400	7.780	9.190
18	9.940	5.360	6.990	8.260	6.310	5.530	42.700	20.700	16.200	11.900	5.390	9.530
19	9.450	5.440	7.150	8.300	5.910	5.530	42.700	21.400	14.200	12.100	5.090	9.210
20	8.930	8.030	6.220	7.230	5.960	5.610	42.000	22.700	12.900	12.500	4.690	9.510
21	10.000	8.890	6.880	7.420	6.020	5.710	41.300	25.800	14.600	10.300	5.030	9.600
22	9.080	9.000	7.910	7.320	6.150	5.620	39.400	30.400	15.000	8.210	5.330	8.700
23	9.190	8.860	6.590	7.060	6.100	6.000	38.000	34.100	15.000	8.640	6.000	9.150
24	9.020	8.400	5.880	7.070	6.100	5.680	36.800	37.800	17.000	9.150	5.980	9.950
25	9.380	8.610	8.300	6.720	6.250	5.790	35.400	40.600	16.000	8.730	6.440	10.700
26	9.530	8.340	8.120	6.730	6.090	6.310	35.900	44.300	15.500	9.190	6.470	9.290
27	10.600	7.390	7.260	6.750	5.670	7.130	37.300	48.400	16.800	5.880	9.270	9.800
28	10.200	6.850	9.610	6.750	5.510	9.730	39.000	51.400	18.800	6.010	12.700	9.970
29	10.300	6.600	11.600	6.540	5.500	12.900	40.700	52.900	19.800	7.530	15.000	10.200
30	10.100	7.980	11.600	6.640		18.000	41.500	53.700	18.200	5.710	13.500	10.300
31	9.880		9.860	6.700		22.000		52.500		5.880	12.200	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Hermann, Missouri
Operated by U.S. Geological Survey

STATE: Missouri

MAJOR BASIN: Missouri River

SUB BASIN: Lower Missouri River

STATION LOCATION: Missouri River M36 at St. Louis, Missouri

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	95.000	49.200	28.900	71.600	35.200	31.600	270.000	156.000	77.200	77.200	45.700	94.000
2	90.200	46.600	28.400	65.400	35.500	35.800	287.000	173.000	73.000	121.000	44.800	100.000
3	89.700	46.600	27.800	51.800	41.700	37.500	305.000	162.000	66.400	142.000	46.000	82.000
4	88.600	52.500	26.400	42.300	44.800	36.300	319.000	147.000	62.400	150.000	47.900	70.900
5	115.000	54.200	25.800	37.800	52.200	35.800	321.000	153.000	60.800	143.000	46.600	62.200
6	143.000	55.400	24.900	38.100	68.200	36.000	328.000	170.000	58.800	132.000	45.100	56.200
7	167.000	59.200	23.200	35.800	74.000	28.900	329.000	210.000	61.600	122.000	45.400	50.000
8	163.000	59.600	22.700	32.400	65.900	28.900	319.000	232.000	74.600	107.000	44.500	47.400
9	158.000	51.800	23.700	29.400	58.400	32.900	298.000	235.000	81.400	86.400	43.500	48.000
10	150.000	47.600	26.100	26.600	60.800	34.600	274.000	230.000	70.600	65.000	49.200	47.400
11	172.000	48.200	26.600	22.000	66.400	35.800	252.000	232.000	59.600	55.400	69.100	45.200
12	164.000	44.200	26.600	21.600	70.600	36.900	238.000	215.000	54.200	60.800	68.200	44.300
13	136.000	39.600	26.100	28.400	69.600	34.300	223.000	174.000	53.900	76.100	56.500	44.800
14	112.000	40.500	25.600	38.100	59.200	29.900	198.000	137.000	62.900	70.600	48.900	44.600
15	98.600	38.100	25.600	79.800	47.600	31.300	180.000	111.000	93.800	62.000	44.500	43.100
16	89.200	32.700	26.600	109.000	43.500	38.100	195.000	98.000	108.000	57.200	42.600	41.300
17	86.400	30.700	27.400	108.000	46.600	41.700	231.000	89.700	98.000	60.000	41.700	39.000
18	76.100	30.500	29.100	108.000	47.300	48.500	241.000	93.800	86.400	65.900	41.400	37.400
19	71.600	29.700	39.300	104.000	47.300	50.200	223.000	100.000	81.400	62.200	42.300	36.800
20	69.600	27.800	39.600	102.000	47.600	42.300	201.000	99.200	77.200	57.200	44.800	37.600
21	62.000	26.400	38.400	87.600	45.100	34.600	190.000	91.400	82.000	54.200	67.200	38.800
22	56.500	24.900	37.200	64.200	39.600	40.200	176.000	96.200	77.700	54.600	82.600	43.100
23	55.400	23.000	37.200	51.800	36.900	60.800	156.000	102.000	76.600	58.000	66.800	49.000
24	54.600	21.600	37.200	43.800	37.500	77.700	134.000	115.000	108.000	56.700	58.400	46.400
25	57.600	21.400	34.600	34.600	40.500	92.000	112.000	125.000	130.000	51.800	55.700	44.000
26	69.600	23.700	29.700	29.400	40.200	99.800	89.700	117.000	123.000	50.500	53.200	43.700
27	71.600	28.100	30.200	31.000	39.300	120.000	79.800	106.000	105.000	51.100	50.800	48.000
28	66.400	28.900	38.100	30.700	38.400	156.000	76.100	111.000	87.000	49.000	50.800	67.500
29	60.400	28.600	38.100	38.400	32.400	213.000	85.800	101.000	74.600	47.600	58.000	70.100
30	56.800	29.100	62.000	40.200		258.000	127.000	89.700	69.100	47.300	70.100	60.300
31	51.100		70.100	36.000		263.000		82.600		46.000	69.600	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Kansas City, Kansas
Operated by U.S. Geological Survey

STATE: Kansas

MAJOR BASIN: Missouri River

SUB BASIN: Lower Missouri River

STATION LOCATION: Missouri River at Kansas City, Kansas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	54.900	39.500	20.000	26.800	23.400	21.900	215.000	63.800	53.400	96.000	39.800	66.000
2	50.200	40.400	18.700	22.700	25.800	21.900	231.000	65.000	52.300	96.600	39.500	58.800
3	60.000	41.600	17.300	20.400	28.600	21.400	242.000	65.000	52.300	72.400	38.900	52.600
4	75.200	43.000	17.100	17.900	32.400	21.400	249.000	61.200	49.400	65.500	39.200	46.300
5	91.200	42.300	18.100	15.700	34.500	21.200	248.000	57.600	48.800	60.400	39.500	41.600
6	90.000	41.000	19.800	14.800	35.600	21.000	244.000	57.200	56.400	56.000	38.300	41.600
7	88.900	38.900	21.000	11.900	34.500	19.000	228.000	60.800	50.800	50.500	40.400	40.700
8	77.100	35.600	22.100	9.360	33.700	23.000	216.000	81.500	46.300	46.000	60.400	40.700
9	76.600	31.500	21.900	8.720	34.000	21.200	209.000	100.000	42.600	45.600	67.300	40.700
10	73.800	27.500	20.600	13.000	39.800	22.100	197.000	81.500	39.500	49.100	54.500	39.500
11	61.600	26.100	20.400	14.400	42.600	22.100	169.000	66.000	39.500	56.400	46.300	41.000
12	56.400	25.400	20.400	14.600	35.300	22.900	134.000	62.000	46.000	54.200	41.000	42.300
13	52.600	24.500	20.200	49.900	31.500	24.000	111.000	61.600	72.300	50.800	38.900	39.800
14	49.800	24.500	19.800	58.800	30.000	24.700	112.000	58.400	76.600	53.400	37.200	37.800
15	47.400	24.000	19.600	54.500	29.800	24.000	115.000	54.200	66.000	62.900	36.400	36.700
16	45.600	22.700	19.100	58.400	29.300	22.700	109.000	53.800	64.600	61.200	35.800	36.400
17	43.600	20.200	19.400	49.100	29.500	21.900	103.000	71.400	62.900	54.500	34.800	37.200
18	41.600	17.700	19.600	47.000	29.300	22.700	93.600	62.900	71.400	49.400	48.800	38.300
19	40.700	16.000	19.800	40.100	29.300	23.400	87.800	71.900	76.600	47.400	77.100	41.800
20	41.000	14.600	19.400	33.200	27.900	23.600	78.100	69.600	66.000	48.800	66.000	48.400
21	41.000	14.200	19.600	25.600	27.200	24.500	69.600	73.800	64.200	47.400	52.300	41.300
22	40.400	14.400	20.000	19.600	26.300	25.800	63.300	85.600	108.000	45.600	49.100	38.300
23	51.200	20.800	19.800	18.700	25.400	28.800	58.000	99.600	115.000	44.600	46.600	38.600
24	57.200	24.300	19.400	17.000	24.500	33.200	54.200	86.200	102.000	42.600	42.000	41.600
25	53.800	24.000	18.900	16.000	23.800	36.700	52.600	78.100	90.000	41.000	38.300	50.200
26	47.700	25.200	18.900	18.000	22.900	38.000	53.400	75.200	73.300	40.400	41.600	64.700
27	44.200	26.100	19.800	20.000	22.300	54.200	52.600	70.500	67.800	39.200	51.900	54.900
28	42.600	25.600	20.200	20.600	22.100	139.000	52.600	68.200	66.400	38.600	58.000	52.600
29	40.700	23.800	24.000	21.900	21.900	202.000	55.300	63.800	62.900	38.600	54.200	48.400
30	39.500	21.200	29.100	21.700		244.000	61.600	61.200	61.600	39.200	88.400	44.200
31	39.200		30.300	22.300		238.000		57.200		39.200	78.600	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at St. Joseph, Missouri
Operated by U.S. Geological Survey

STATE: Missouri

MAJOR BASIN: Missouri River

SUB BASIN: Lower Missouri Below Niobrara River

STATION LOCATION: Missouri River at St. Joseph, Missouri

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	37.600	36.300	15.200	16.200	17.700	16.400	164.000	44.400	41.200	76.300	34.200	50.400
2	39.200	37.300	13.800	15.300	18.800	16.400	166.000	43.400	43.400	55.000	33.600	41.200
3	55.000	37.300	13.500	15.200	20.000	16.400	162.000	42.300	39.200	44.800	33.300	34.500
4	45.200	36.600	14.300	14.500	21.500	16.200	158.000	40.900	38.200	39.500	34.200	33.000
5	43.000	36.000	15.700	12.400	21.900	16.000	166.000	39.600	45.600	37.600	34.500	33.900
6	45.600	34.200	16.400	9.510	21.300	15.800	171.000	41.600	41.200	35.400	33.600	34.500
7	44.400	31.300	17.500	8.520	21.100	16.600	174.000	59.000	35.100	35.100	48.800	34.500
8	41.600	27.300	17.100	8.400	20.800	15.500	168.000	71.500	33.600	35.700	59.000	34.200
9	46.400	23.600	16.400	9.000	22.500	16.000	163.000	71.500	33.600	37.300	48.400	34.800
10	41.200	21.900	16.800	9.770	25.900	16.200	149.000	54.100	34.800	40.200	38.900	36.600
11	39.200	21.500	17.500	11.000	22.300	16.800	122.000	47.600	36.600	40.200	35.100	35.400
12	38.900	19.600	17.500	20.200	20.000	17.700	99.800	48.800	55.400	39.900	33.900	35.100
13	37.900	19.600	17.100	51.600	19.800	18.100	85.400	46.800	66.000	40.900	33.300	33.600
14	36.300	19.800	16.600	41.200	20.200	17.700	74.100	43.700	52.800	50.800	32.400	32.100
15	35.400	18.500	16.200	46.400	20.200	17.500	68.000	41.600	43.000	45.200	32.400	31.600
16	34.800	17.300	16.200	32.700	20.400	17.100	64.500	52.800	42.000	39.900	32.400	31.800
17	33.900	15.300	16.400	23.800	20.000	16.400	61.800	46.800	46.000	36.600	33.300	33.300
18	34.200	13.300	16.800	21.900	20.000	16.400	61.300	43.400	55.900	36.000	52.400	34.200
19	34.500	10.200	16.600	19.000	19.600	16.400	58.600	46.000	48.400	39.900	53.600	44.800
20	35.100	9.250	16.400	17.000	18.800	16.400	52.400	46.400	44.400	40.600	41.600	39.200
21	35.400	9.250	16.000	15.000	19.600	16.600	46.800	60.000	67.000	37.000	38.200	37.300
22	36.000	14.300	15.500	15.000	20.200	17.500	42.300	80.200	94.600	36.600	38.600	35.400
23	41.600	18.800	15.500	14.500	18.800	18.700	39.900	78.500	81.200	35.700	36.600	37.300
24	39.600	18.800	15.500	15.000	18.800	19.600	38.200	63.600	73.600	33.900	35.400	46.600
25	36.600	20.400	15.800	14.100	17.700	20.600	38.900	57.700	55.000	34.500	37.300	55.000
26	36.000	21.700	16.200	14.300	17.900	21.500	39.900	55.900	44.400	34.500	46.800	46.400
27	34.500	21.700	16.400	15.200	18.100	32.100	40.200	55.000	39.600	33.900	49.200	40.900
28	33.900	20.400	17.900	15.500	17.500	84.800	40.600	52.800	37.600	33.900	41.200	36.600
29	33.300	17.500	20.000	15.800	16.800	124.000	41.600	51.600	37.300	34.500	61.500	35.100
30	33.600	16.200	20.200	16.600		138.000	42.600	46.800	52.400	34.500	73.600	35.400
31	35.100		18.500	17.100		156.000		43.000		34.800	60.400	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Omaha, Nebraska
Operated by U.S. Geological Survey

STATE: Nebraska

MAJOR BASIN: Missouri River

SUB BASIN: Lower Missouri River

STATION LOCATION: Missouri River at Omaha, Nebraska

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	30.200	29.200	8.500	11.100	9.650	9.130	113.000	26.600	28.400	27.200	28.700	29.200
2	29.700	28.700	9.400	10.700	9.780	8.880	96.500	26.100	28.000	25.700	28.400	27.200
3	29.000	26.800	10.400	8.760	9.910	8.760	105.000	25.000	27.200	24.800	29.000	29.000
4	28.200	25.200	11.000	5.580	9.780	8.760	116.000	25.400	26.400	23.600	29.900	30.700
5	27.500	23.400	11.100	4.700	9.780	8.880	116.000	29.000	25.400	23.400	30.200	31.200
6	26.800	20.100	10.700	4.430	9.650	8.760	104.000	30.700	24.600	24.600	37.000	31.000
7	26.800	17.100	10.300	4.610	9.910	8.400	90.000	29.700	23.600	25.400	38.500	30.200
8	28.700	14.400	9.910	5.380	10.200	8.640	78.500	29.400	23.600	26.100	32.400	31.000
9	29.400	12.800	9.650	6.810	10.300	9.650	71.600	25.700	24.300	28.400	30.000	31.000
10	29.400	12.200	9.520	9.390	10.300	10.900	64.000	25.400	27.500	28.200	29.400	30.000
11	29.700	11.800	9.520	11.400	10.300	11.300	59.400	25.900	30.400	28.200	29.000	29.400
12	29.200	11.700	9.390	12.000	10.300	10.600	51.000	25.200	30.700	29.700	28.400	28.200
13	28.700	11.600	9.390	12.300	10.200	9.520	44.700	25.000	27.000	32.100	29.000	27.000
14	28.000	11.100	9.390	12.200	10.000	9.260	42.700	24.600	25.200	33.200	29.200	27.200
15	28.000	9.500	9.390	10.900	9.520	8.880	41.400	25.000	25.000	28.400	29.200	27.500
16	28.000	7.000	9.390	10.300	9.780	8.640	38.500	26.600	33.200	25.900	29.000	29.200
17	28.000	4.880	9.390	9.910	10.300	8.520	38.200	28.200	30.000	26.400	30.000	30.000
18	27.700	4.430	9.650	8.880	10.900	8.520	35.500	30.700	29.700	29.000	31.000	31.200
19	27.700	5.880	9.910	8.040	11.000	8.400	32.400	31.800	29.000	29.000	30.700	32.400
20	27.700	7.200	9.910	8.040	10.700	9.1[illegible]	29.400	31.800	34.000	29.200	31.200	30.400
21	28.000	14.500	9.780	8.280	9.780	9.650	27.500	39.100	32.900	29.400	31.200	31.000
22	28.400	12.800	9.910	8.040	9.390	9.650	26.400	40.100	30.200	28.700	31.000	30.500
23	29.000	13.200	9.910	7.920	8.880	9.910	26.800	39.100	26.100	28.700	30.700	31.000
24	29.200	12.800	9.910	8.160	8.880	9.780	27.200	36.100	24.300	29.200	32.400	31.500
25	28.000	12.900	10.000	8.280	9.000	9.910	26.400	31.800	25.000	29.700	32.900	30.700
26	27.500	13.600	10.000	8.160	9.000	9.650	26.800	33.400	25.700	29.700	33.200	29.000
27	28.200	12.300	10.700	8.400	8.880	9.780	27.000	35.500	26.100	30.000	31.500	27.700
28	28.000	10.900	11.300	8.880	9.000	10.900	27.200	34.900	27.000	30.200	30.200	27.500
29	28.400	10.000	12.000	9.260	9.260	18.000	26.800	31.000	28.000	30.200	37.000	27.700
30	28.700	9.000	12.200	9.520		42.000	27.200	29.400	29.200	30.000	40.400	28.000
31	29.200		11.400	9.520		96.500		28.400		29.200	34.900	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Yankton, South Dakota
Operated by U.S. Geological Survey

STATE South Dakota

MAJOR BASIN Missouri River

SUB BASIN Lower Missouri River

STATION LOCATION Missouri River at Yankton, South Dakota

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	27.900	24.800	8.400	9.500	8.550	7.820	17.900	18.900	17.800	20.200	28.200	27.000
2	27.800	21.900	8.220	9.500	8.330	7.790	22.500	20.100	17.900	20.500	28.400	27.700
3	27.100	18.900	8.150	9.500	8.480	8.040	15.400	20.800	18.200	22.400	28.900	28.900
4	27.000	16.500	8.180	10.500	8.590	9.660	15.600	21.200	18.400	23.300	29.800	28.400
5	27.100	13.400	8.110	11.500	8.700	10.800	15.600	21.000	18.800	24.200	29.900	28.400
6	27.400	11.600	8.220	11.500	8.660	9.860	15.700	17.600	20.400	25.400	28.600	27.800
7	28.000	10.300	8.400	9.900	8.750	9.330	15.600	17.300	23.600	25.800	28.500	27.100
8	27.700	9.440	8.370	10.000	8.770	8.290	15.600	19.000	24.800	26.200	26.800	26.800
9	27.800	8.960	7.970	9.500	8.960	8.080	15.600	19.700	25.100	26.100	26.800	25.700
10	27.900	8.520	7.930	9.500	8.890	7.900	12.500	19.900	22.000	26.400	26.600	25.900
11	28.400	8.520	8.080	9.500	8.810	7.900	11.800	19.600	19.900	26.200	28.000	26.300
12	28.300	8.630	8.080	8.700	8.550	7.720	10.200	19.600	20.000	23.800	29.100	28.300
13	28.100	8.520	8.110	8.700	8.590	7.660	10.100	20.400	20.200	22.400	29.400	28.400
14	28.000	8.590	8.180	8.500	8.590	7.820	9.440	21.800	20.800	23.100	29.300	28.500
15	27.900	8.550	8.260	8.500	8.660	8.660	9.220	22.400	22.200	24.500	28.000	29.000
16	28.000	9.330	8.480	8.500	8.400	8.780	9.480	23.300	20.600	26.000	29.600	29.900
17	28.100	11.500	8.290	8.500	8.110	8.550	9.340	21.900	18.800	26.800	30.600	29.400
18	28.500	11.300	8.370	8.500	7.820	8.400	9.550	21.000	19.600	27.100	30.200	29.000
19	28.900	10.600	8.440	8.500	7.930	8.400	9.820	20.200	21.000	26.400	29.900	28.700
20	28.000	9.940	8.290	8.500	7.820	8.780	10.900	19.400	20.200	26.200	30.300	28.800
21	27.300	8.630	8.370	8.000	7.860	8.590	13.200	17.800	19.000	26.800	30.300	28.400
22	27.400	8.480	8.330	8.000	8.080	8.080	13.700	16.200	20.200	27.400	30.400	27.500
23	28.100	8.400	8.400	9.000	8.220	7.970	14.600	15.600	20.300	27.400	30.500	25.500
24	28.400	8.220	8.590	8.500	8.370	8.180	15.200	15.500	21.600	27.600	28.000	24.200
25	28.400	8.260	8.660	8.500	7.930	8.700	15.800	15.800	22.800	28.000	26.500	23.800
26	28.200	8.220	8.590	8.500	8.000	8.480	16.600	15.200	23.300	28.900	25.800	24.500
27	28.800	8.260	8.320	8.500	8.100	9.620	17.500	15.600	22.900	29.300	26.600	25.400
28	29.400	8.290	8.590	8.500	8.100	27.800	18.200	16.400	21.000	28.500	27.800	27.000
29	29.200	8.290	8.550	8.500	8.100	33.000	18.500	16.800	20.500	27.600	20.200	27.000
30	29.000	8.430	8.700	8.500		24.000	18.600	17.200	20.400	28.000	20.100	26.700
31	27.800		8.890	8.500		17.400		17.700		28.300	25.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Bismarck, North Dakota
Operated by U.S. Geological Survey

STATE: North Dakota

MAJOR BASIN: Missouri River

SUB BASIN: Missouri-Souris Rivers

STATION LOCATION: Missouri River M1377.4 at Bismarck, North Dakota

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	21.400	10.600	16.500	14.100	16.500	19.200	26.400	9.670	8.580	8.850	11.500	11.300
2	21.600	10.200	16.200	13.000	16.400	16.200	26.100	10.400	8.340	10.800	11.500	10.100
3	21.600	11.300	16.400	10.300	16.700	17.100	24.400	10.900	8.290	10.900	12.700	10.200
4	21.600	12.400	16.600	9.480	16.600	17.000	21.600	11.600	8.190	10.900	12.400	10.600
5	21.400	15.500	16.000	9.750	16.400	16.900	19.100	11.400	7.980	10.800	11.700	10.600
6	21.400	17.900	15.800	12.600	16.100	17.000	18.000	11.900	7.980	10.800	12.200	10.200
7	21.200	19.200	16.000	14.400	16.300	17.200	17.500	15.000	8.010	10.700	12.100	10.100
8	18.200	19.100	14.900	15.400	16.200	16.600	17.000	19.100	8.140	11.100	12.100	10.400
9	16.400	19.200	14.700	14.800	15.200	17.600	16.300	19.700	8.340	11.500	12.100	10.700
10	16.500	19.200	14.500	15.400	15.400	16.900	15.100	18.800	8.270	11.500	12.000	11.400
11	16.100	19.000	15.000	15.100	15.300	16.700	13.300	17.800	8.190	11.000	12.100	11.600
12	14.900	19.100	15.000	13.900	16.100	16.300	13.300	17.800	8.420	10.700	12.100	11.700
13	15.100	19.000	16.200	15.800	16.800	16.500	15.300	16.800	8.880	11.400	12.000	11.600
14	15.900	18.500	16.200	16.400	16.500	16.500	15.400	16.100	8.450	11.000	11.900	11.900
15	16.000	18.000	16.300	16.300	16.500	15.400	15.200	11.800	7.480	10.900	11.900	13.700
16	15.800	12.000	17.000	16.100	16.900	16.200	15.000	10.200	8.290	10.800	12.300	14.000
17	15.600	12.000	16.700	16.000	18.600	17.200	16.400	9.610	8.190	10.700	13.900	13.700
18	15.600	14.000	14.500	16.000	19.800	17.200	15.400	10.000	8.240	10.700	13.900	13.900
19	14.800	16.500	13.200	15.900	18.700	17.700	12.300	9.880	9.850	10.800	13.500	13.900
20	14.500	16.500	14.000	16.000	19.000	16.600	13.600	9.910	10.100	11.000	13.600	13.700
21	15.800	16.000	15.300	16.200	20.900	15.300	10.500	13.100	9.940	10.900	13.500	14.000
22	16.000	15.800	15.300	16.200	21.800	16.300	8.240	16.700	9.820	11.000	13.500	14.000
23	16.000	15.200	14.600	16.200	22.000	19.600	8.010	16.700	8.320	11.000	13.900	14.000
24	14.200	14.500	13.400	16.500	22.200	24.200	7.780	16.000	8.080	10.800	14.400	14.300
25	13.300	14.500	12.700	16.600	22.100	24.700	7.630	16.200	8.060	11.000	14.700	14.200
26	12.600	14.000	12.500	16.100	22.000	24.600	7.900	15.100	8.080	10.800	14.900	15.300
27	12.400	14.000	13.000	16.400	21.900	29.000	7.980	12.500	8.110	10.000	14.000	14.000
28	13.000	13.000	13.200	16.700	21.900	33.000	6.770	10.000	8.340	10.300	12.700	14.000
29	12.000	14.500	12.700	17.000	21.600	29.500	6.440	9.140	8.270	11.400	12.300	13.900
30	10.800	17.000	14.700	17.000		27.600	7.830	8.640	8.110	11.100	12.200	13.700
31	10.400		15.000	16.700		25.700		8.640		10.800	12.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Williston, North Dakota
Operated by U.S. Geological Survey

STATE: North Dakota

MAJOR BASIN: Missouri River

SUB BASIN: Missouri-Souris Rivers

STATION LOCATION: Missouri River at Williston, North Dakota

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	16.800	16.800	16.200	12.300	13.700	12.800	37.500	14.200	14.700	21.400	12.400	12.100
2	16.800	16.400	16.500	11.600	14.600	12.200	35.500	13.800	14.600	20.100	12.500	11.900
3	16.700	16.400	17.000	10.700	15.200	12.100	34.000	13.800	14.600	19.000	12.500	11.600
4	16.600	16.900	17.000	9.730	15.500	12.200	31.800	14.000	15.300	18.200	12.300	11.200
5	16.500	16.800	17.000	9.380	15.500	12.400	30.100	14.200	18.400	17.400	12.600	10.900
6	16.400	16.400	17.000	9.110	15.500	12.600	28.700	14.300	21.800	17.100	12.500	10.400
7	16.300	16.400	16.800	8.930	15.500	12.300	26.600	14.100	26.600	17.100	12.200	10.000
8	16.500	16.900	16.400	8.690	15.400	12.200	24.500	14.500	31.600	16.700	12.100	9.880
9	16.600	16.700	16.300	8.850	15.500	12.400	22.400	15.100	31.600	16.200	12.300	9.910
10	16.500	16.100	16.200	9.380	15.600	12.700	20.600	15.400	29.500	15.300	12.200	10.100
11	16.700	15.700	15.500	10.400	15.700	13.000	19.200	15.000	28.700	14.400	12.100	10.100
12	16.700	15.900	15.000	10.900	15.700	13.600	18.800	14.700	28.900	13.500	11.600	9.830
13	16.400	10.000	14.900	11.200	15.600	14.000	18.700	14.000	29.400	13.300	10.800	9.960
14	16.400	12.000	15.300	11.700	15.600	14.900	17.800	13.700	32.000	13.200	10.700	10.300
15	16.400	12.000	15.400	12.900	16.100	15.700	17.200	13.800	33.400	12.700	10.500	10.600
16	16.600	10.000	15.400	14.000	16.300	16.800	17.400	14.400	30.800	12.700	10.300	10.700
17	16.700	8.000	15.200	14.400	16.600	17.400	17.000	18.800	29.600	12.600	10.700	10.600
18	16.600	8.000	15.000	14.400	16.400	17.800	16.100	23.100	30.700	12.200	10.400	10.600
19	16.500	8.000	15.000	14.200	15.300	18.200	15.400	22.300	33.000	11.600	10.100	10.600
20	16.400	10.000	14.900	14.000	14.800	20.600	15.100	20.600	35.600	11.400	9.910	10.800
21	17.200	10.000	14.500	13.600	14.000	35.000	14.700	19.400	34.400	11.400	9.990	11.100
22	18.000	10.000	13.800	12.900	13.000	100.000	14.400	17.200	34.200	11.100	11.200	11.800
23	17.400	12.000	13.200	12.600	13.300	90.000	14.400	16.900	32.500	10.600	12.600	12.100
24	17.000	12.000	12.300	12.400	13.800	95.000	14.100	16.400	32.700	10.500	12.800	11.900
25	16.800	14.000	11.400	12.400	13.100	85.000	13.700	15.500	30.200	10.100	13.200	12.000
26	16.700	16.000	11.100	12.000	12.600	73.800	13.600	14.700	27.500	9.960	13.600	10.400
27	16.500	16.000	10.500	11.800	13.300	87.000	13.900	14.400	24.600	9.860	13.600	9.210
28	16.500	16.000	10.400	12.000	13.400	70.000	13.800	14.800	22.700	9.750	12.800	10.800
29	16.600	16.000	11.500	12.300	13.000	57.900	13.700	15.300	21.800	10.200	12.400	12.700
30	16.700	16.000	12.800	12.400		44.900	14.100	16.000	21.900	11.700	12.100	12.900
31	16.900		12.900	12.700		41.400		15.600		12.000	12.100	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Metropolis, Illinois
Operated by U.S. Geological Survey

STATE: Illinois

MAJOR BASIN: Ohio River

SUB BASIN: Ohio River Main Stem & Minor Trib.

STATION LOCATION: Ohio River at Cairo, Illinois

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	93.000	139.000	285.000	365.000	298.000	366.000	375.000	134.000	165.000	339.000	93.500	88.400
2	79.200	128.000	304.000	356.000	289.000	374.000	400.000	124.000	176.000	331.000	95.600	90.400
3	89.100	114.000	310.000	339.000	278.000	409.000	426.000	134.000	173.000	295.000	98.300	99.800
4	92.300	127.000	309.000	336.000	273.000	456.000	463.000	123.000	176.000	314.000	87.200	106.000
5	95.800	136.000	304.000	329.000	275.000	483.000	500.000	110.000	166.000	344.000	89.800	105.000
6	102.000	154.000	304.000	329.000	283.000	472.000	521.000	110.000	161.000	348.000	107.000	97.600
7	99.800	163.000	296.000	346.000	304.000	453.000	522.000	126.000	161.000	346.000	123.000	98.100
8	92.400	152.000	287.000	356.000	335.000	433.000	488.000	132.000	163.000	329.000	122.000	93.700
9	82.100	146.000	274.000	371.000	354.000	412.000	442.000	134.000	105.000	313.000	117.000	81.200
10	109.000	136.000	265.000	385.000	380.000	383.000	399.000	129.000	74.200	268.000	122.000	81.100
11	113.000	118.000	258.000	392.000	396.000	348.000	387.000	135.000	86.900	199.000	111.000	103.000
12	116.000	118.000	268.000	391.000	411.000	320.000	388.000	152.000	89.100	130.000	119.000	100.000
13	133.000	128.000	305.000	382.000	433.000	285.000	397.000	160.000	90.300	132.000	123.000	103.000
14	104.000	132.000	352.000	375.000	456.000	271.000	415.000	162.000	98.900	179.000	107.000	110.000
15	99.200	109.000	393.000	385.000	482.000	266.000	427.000	174.000	125.000	176.000	109.000	113.000
16	113.000	102.000	417.000	384.000	502.000	267.000	411.000	181.000	166.000	160.000	96.500	112.000
17	109.000	124.000	432.000	398.000	508.000	289.000	410.000	202.000	185.000	148.000	93.700	106.000
18	113.000	130.000	443.000	423.000	513.000	314.000	367.000	211.000	195.000	119.000	94.100	120.000
19	109.000	138.000	467.000	446.000	524.000	340.000	325.000	226.000	214.000	125.000	90.700	135.000
20	112.000	139.000	529.000	470.000	539.000	354.000	274.000	236.000	201.000	128.000	100.000	138.000
21	113.000	134.000	572.000	489.000	547.000	369.000	262.000	237.000	186.000	122.000	105.000	130.000
22	105.000	130.000	586.000	498.000	533.000	376.000	235.000	220.000	183.000	115.000	102.000	127.000
23	95.200	132.000	568.000	503.000	505.000	387.000	216.000	214.000	180.000	123.000	100.000	121.000
24	103.000	135.000	536.000	498.000	473.000	385.000	198.000	198.000	193.000	110.000	92.300	108.000
25	95.600	142.000	496.000	484.000	439.000	385.000	190.000	183.000	202.000	104.000	99.900	105.000
26	114.000	163.000	466.000	448.000	411.000	380.000	179.000	171.000	263.000	110.000	101.000	98.600
27	123.000	185.000	426.000	414.000	395.000	371.000	143.000	174.000	312.000	104.000	104.000	89.600
28	128.000	187.000	402.000	385.000	384.000	363.000	120.000	172.000	334.000	102.000	104.000	88.300
29	121.000	233.000	391.000	360.000	372.000	340.000	126.000	157.000	337.000	99.000	100.000	94.400
30	138.000	256.000	393.000	332.000		341.000	139.000	155.000	356.000	97.900	95.800	80.400
31	134.000		387.000	314.000		350.000		162.000		97.400	93.700	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Evansville, Indiana
Operated by U.S. Geological Survey

STATE: Indiana

MAJOR BASIN: Ohio River

SUB BASIN: Ohio River Main Stem & Minor Trib.

STATION LOCATION: Ohio River at Evansville, Indiana

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	32.000	53.000	182.000	146.000	100.000	228.000	210.000	58.000	117.000	131.000	24.000	17.000
2	32.000	53.000	187.000	145.000	110.000	242.000	241.000	58.000	115.000	136.000	24.000	17.000
3	32.000	53.000	191.000	146.000	117.000	236.000	272.000	58.000	115.000	161.000	24.000	17.000
4	32.000	53.000	190.000	152.000	121.000	218.000	304.000	58.000	111.000	166.000	24.000	17.000
5	32.000	53.000	185.000	162.000	125.000	193.000	332.000	58.000	101.000	186.000	24.000	17.000
6	39.000	87.700	178.000	175.000	138.000	170.000	359.000	49.000	101.000	206.000	41.000	19.000
7	39.000	87.400	167.000	186.000	171.000	152.000	376.000	49.000	93.400	201.000	41.000	19.000
8	39.000	83.400	156.000	197.000	198.000	137.000	387.000	49.000	54.000	176.000	41.000	19.000
9	39.000	73.100	145.000	209.000	202.000	124.000	389.000	49.000	54.000	141.000	41.000	19.000
10	39.000	53.000	134.000	215.000	207.000	102.000	391.000	49.000	54.000	55.000	41.000	19.000
11	43.000	53.000	127.000	211.000	235.000	86.500	391.000	79.700	41.000	55.000	44.000	25.000
12	43.000	53.000	130.000	200.000	278.000	79.800	387.000	90.200	41.000	55.000	44.000	25.000
13	43.000	53.000	152.000	182.000	311.000	76.100	380.000	101.000	41.000	55.000	44.000	25.000
14	43.000	53.000	187.000	168.000	333.000	85.200	362.000	131.000	41.000	55.000	44.000	25.000
15	43.000	53.000	21.400	181.000	345.000	84.900	335.000	153.000	91.300	55.000	44.000	25.000
16	31.000	49.000	218.000	202.000	347.000	81.600	304.000	172.000	96.200	48.000	26.000	39.000
17	31.000	49.000	228.000	233.000	340.000	96.400	267.000	182.000	79.800	48.000	26.000	39.000
18	31.000	49.000	252.000	261.000	323.000	134.000	229.000	184.000	73.900	48.000	26.000	39.000
19	31.000	49.000	281.000	290.000	301.000	159.000	194.000	179.000	80.400	48.000	26.000	39.000
20	31.000	49.000	297.000	311.000	278.000	185.000	161.000	170.000	89.200	48.000	26.000	39.000
21	25.000	50.000	294.000	322.000	254.000	210.000	137.000	162.000	90.100	32.000	26.000	37.000
22	25.000	50.000	276.000	319.000	233.000	225.000	116.000	148.000	94.700	32.000	26.000	37.000
23	25.000	50.000	253.000	306.000	220.000	231.000	102.000	136.000	101.000	32.000	26.000	37.000
24	25.000	50.000	233.000	285.000	208.000	229.000	90.900	120.000	140.000	32.000	26.000	37.000
25	25.000	50.000	210.000	257.000	193.000	224.000	75.300	105.000	218.000	32.000	26.000	37.000
26	57.000	73.200	186.000	226.000	187.000	215.000	56.000	101.000	238.000	25.000	22.000	19.000
27	57.000	79.900	160.000	199.000	181.000	206.000	56.000	91.700	217.000	25.000	22.000	19.000
28	57.000	98.000	143.000	174.000	186.000	195.000	56.000	80.700	184.000	25.000	22.000	19.000
29	57.000	138.000	137.000	150.000	203.000	183.000	56.000	91.400	164.000	25.000	22.000	19.000
30	57.000	168.000	137.000	130.000		178.000	56.000	112.000	144.000	25.000	22.000	19.000
31	57.000		144.000	113.000		188.000		119.000		25.000	22.000	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Cincinnati, Ohio
Operated by U.S. Geological Survey

STATE: Ohio

MAJOR BASIN: Ohio River

SUB BASIN: Ohio River-Main Stem & Minor Trib.

STATION LOCATION: Ohio River M510 at Cincinnati, Ohio

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	26.400	48.000	160.000	107.000	106.000	179.000	269.000	57.900	102.000	44.600	18.700	19.600
2	30.200	41.300	165.000	121.000	112.000	147.000	311.000	53.200	92.000	70.700	15.200	10.600
3	37.000	44.600	157.000	140.000	100.000	124.000	341.000	45.300	89.200	93.700	14.700	12.400
4	46.100	66.100	145.000	151.000	90.500	113.000	360.000	39.300	87.400	126.000	24.800	11.500
5	38.500	73.300	130.000	162.000	85.000	100.000	369.000	44.900	78.700	118.000	38.700	13.900
6	26.800	75.800	119.000	183.000	97.400	90.000	363.000	43.200	52.200	104.000	38.300	20.800
7	15.400	70.500	110.000	196.000	98.200	78.800	365.000	44.500	43.600	65.200	40.100	13.900
8	37.700	69.000	102.000	192.000	133.000	69.300	366.000	46.000	42.900	31.700	36.500	9.590
9	53.200	67.500	102.000	177.000	169.000	57.400	363.000	68.900	37.900	17.900	37.700	8.590
10	58.400	68.900	101.000	159.000	188.000	56.000	350.000	88.700	40.900	22.900	40.600	14.100
11	53.700	70.500	101.000	139.000	224.000	61.200	323.000	133.000	26.600	28.300	37.500	18.100
12	32.500	49.200	122.000	118.000	243.000	70.400	293.000	166.000	27.200	37.000	38.700	30.900
13	27.900	37.900	138.000	104.000	265.000	67.600	254.000	186.000	53.400	35.600	34.000	35.700
14	28.300	35.100	134.000	89.900	278.000	59.200	219.000	196.000	70.900	36.700	24.700	43.000
15	26.800	38.000	178.000	128.000	269.000	59.000	183.000	188.000	65.800	34.200	25.200	36.900
16	26.200	45.400	216.000	182.000	249.000	70.200	153.000	175.000	66.700	29.400	36.200	34.900
17	26.900	50.100	238.000	234.000	224.000	82.700	120.000	156.000	75.000	31.200	13.300	24.900
18	27.700	49.100	241.000	265.000	198.000	101.000	94.000	143.000	80.600	25.500	15.200	29.000
19	20.300	45.700	227.000	275.000	179.000	129.000	83.000	129.000	86.400	24.800	22.600	26.100
20	16.500	46.300	204.000	262.000	168.000	137.000	78.000	118.000	88.800	28.900	20.700	35.200
21	13.900	45.100	184.000	238.000	163.000	139.000	76.700	106.000	87.400	77.400	14.000	31.400
22	7.010	41.100	168.000	215.000	155.000	139.000	70.000	95.200	51.400	25.000	14.000	29.500
23	20.800	44.200	151.000	191.000	139.000	133.000	60.800	86.600	60.900	24.900	19.200	30.700
24	29.200	52.700	129.000	166.000	123.000	126.000	53.900	75.300	86.800	22.400	16.100	24.900
25	37.300	64.700	109.000	145.000	110.000	119.000	60.300	65.200	69.500	17.700	22.500	17.300
26	45.000	69.200	90.100	122.000	120.000	113.000	49.800	62.600	61.300	17.700	19.500	15.100
27	59.500	97.400	72.900	103.000	152.000	111.000	46.600	75.200	44.200	18.700	14.100	15.000
28	60.700	127.000	73.900	81.600	189.000	119.000	49.800	98.500	37.500	14.200	9.730	14.000
29	66.300	124.000	77.900	78.600	197.000	132.000	60.500	93.000	36.400	14.000	12.900	10.700
30	58.800	143.000	80.700	85.300		167.000	59.600	87.900	35.800	25.800	11.700	12.700
31	45.200		91.800	94.300		220.000		101.000		21.400	10.600	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Huntington, West Virginia
Operated by U.S. Geological Survey

STATE: West Virginia

MAJOR BASIN: Ohio River

SUB BASIN: Ohio River Main Stem & Minor Trib.

STATION LOCATION: Ohio River at Huntington, West Virginia

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	29.200	37.100	152.000	123.000	88.900	88.200	318.000	45.900	76.900	30.100	18.000	15.200
2	32.700	34.100	139.000	127.000	73.900	82.800	341.000	41.100	83.700	45.800	11.700	10.000
3	46.600	54.100	122.000	131.000	71.300	83.500	348.000	30.700	75.600	52.200	9.810	9.220
4	47.500	65.900	113.000	151.000	66.600	77.800	334.000	35.100	57.000	41.500	29.900	9.400
5	28.700	36.900	103.000	169.000	55.800	73.200	327.000	35.900	43.800	35.800	38.700	17.400
6	22.300	54.700	85.700	181.000	79.200	70.800	331.000	36.200	38.900	29.600	34.200	16.100
7	19.200	56.600	94.100	170.000	124.000	69.100	332.000	34.100	38.000	21.000	34.300	12.500
8	26.200	58.300	93.400	147.000	135.000	68.000	319.000	51.500	29.500	17.300	33.000	11.000
9	45.200	70.800	93.300	125.000	126.000	66.000	281.000	92.500	36.800	18.700	33.300	13.400
10	52.200	61.800	95.600	109.000	127.000	66.000	249.000	133.000	28.200	20.500	28.400	13.300
11	42.900	43.200	92.600	88.400	168.000	60.000	213.000	153.000	16.500	23.900	33.000	20.300
12	29.200	36.500	79.500	58.700	207.000	58.000	179.000	182.000	24.800	18.100	36.500	30.500
13	25.100	31.500	123.000	59.800	223.000	58.000	178.000	183.000	47.400	13.700	24.300	40.600
14	27.700	30.700	193.000	56.100	218.000	56.000	160.000	178.000	37.200	29.800	28.200	35.400
15	27.100	35.900	230.000	100.000	198.000	58.600	130.000	152.000	63.900	20.300	20.100	24.900
16	27.700	45.700	230.000	213.000	170.000	60.800	98.900	142.000	81.100	21.400	18.900	29.900
17	27.500	48.900	209.000	238.000	145.000	75.900	85.000	125.000	85.000	24.300	15.800	25.600
18	23.200	45.200	182.000	229.000	135.000	80.900	73.000	107.000	86.500	17.800	17.600	24.600
19	21.900	45.600	165.000	199.000	135.000	82.900	70.000	99.100	83.900	21.400	23.800	19.900
20	14.900	44.000	147.000	177.000	120.000	88.200	67.000	90.000	71.400	21.000	16.300	30.500
21	13.100	38.800	135.000	160.000	110.000	90.800	65.000	82.600	33.700	21.900	13.600	26.100
22	10.900	38.600	114.000	147.000	100.000	87.100	64.000	71.000	34.800	21.900	14.600	27.100
23	17.400	38.300	93.500	131.000	90.000	81.900	63.000	54.100	41.200	20.500	18.000	22.900
24	33.400	40.800	79.100	113.000	80.000	71.600	65,000	49.500	37.100	18.100	19.700	18.400
25	40.900	69.600	59.200	93.800	85.000	70.300	68.000	60.100	35.700	16.900	20.100	12.700
26	54.500	97.400	53.900	66.800	110.000	77.600	65.000	67.100	32.200	16.700	18.100	13.300
27	69.700	96.600	55.100	52.100	140.000	80.000	58.000	64.900	29.500	11.600	12.500	12.700
28	72.200	106.000	62.200	66.400	130.000	103.000	52.000	60.200	28.300	12.700	13.600	6.480
29	49.600	139.000	72.400	73.900	113.000	152.000	47.500	69.900	28.000	20.100	10.900	12.100
30	40.100	146.000	92.900	82.900		216.000	43.400	99.900	28.300	25.300	9.120	6.130
31	42.500		103.000	101.000		262.000		79.700		21.700	20.100	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Sewickley, Pennsylvania
Operated by U.S. Geological Survey

STATE: Ohio

MAJOR BASIN: Ohio River

SUB BASIN: Ohio River-Main Stem & Minor Trib.

STATION LOCATION: Ohio River at East Liverpool, Ohio

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	4.610	18.900	74.600	70.200	31.300	30.200	233.000	14.500	42.000	13.400	5.760	4.800
2	5.320	28.200	65.800	57.300	32.800	26.800	186.000	12.800	40.800	13.700	6.320	5.760
3	8.210	42.000	51.000	61.500	28.500	23.600	165.000	13.000	36.400	11.800	7.730	5.230
4	7.270	43.000	44.000	92.700	22.800	19.600	161.000	13.100	28.500	11.700	7.100	5.300
5	7.010	38.300	41.100	88.100	22.000	18.000	159.000	12.100	22.000	9.940	8.600	5.190
6	6.400	35.500	37.300	79.000	24.400	16.400	152.000	11.000	18.000	9.610	13.700	4.230
7	7.100	39.200	35.500	68.000	34.600	14.800	142.000	11.000	16.200	7.730	11.600	5.600
8	15.600	41.100	41.100	57.300	43.000	13.400	127.000	19.200	14.200	7.270	10.200	5.080
9	26.000	36.400	43.000	45.000	49.000	15.500	139.000	68.700	13.200	6.830	8.490	4.940
10	23.600	28.500	39.200	34.600	49.000	15.600	90.400	92.700	10.400	6.320	10.600	4.870
11	16.400	24.400	39.500	27.600	72.400	15.900	76.800	99.700	9.610	5.300	9.830	8.490
12	12.800	20.400	51.900	30.200	95.000	15.300	63.600	97.300	10.400	5.830	12.100	13.400
13	10.600	20.400	120.000	38.200	90.400	15.500	52.000	88.100	11.700	6.830	10.300	23.600
14	9.720	20.400	142.000	75.800	85.800	13.700	45.000	85.800	22.400	8.210	8.700	21.200
15	8.020	21.200	120.000	97.300	70.200	14.500	40.200	81.200	39.200	10.400	6.830	17.200
16	7.270	26.800	107.000	112.000	57.300	16.800	35.500	70.200	61.500	11.900	8.700	15.100
17	6.920	29.400	90.400	95.000	51.000	16.600	34.600	63.600	57.300	8.400	9.720	12.000
18	6.320	26.000	72.400	88.100	45.000	15.800	31.900	51.000	49.000	7.360	8.120	8.120
19	5.680	26.800	63.600	83.500	47.000	19.600	30.200	49.000	39.200	7.450	6.400	8.600
20	5.680	24.400	49.000	74.600	48.000	21.200	28.500	47.000	30.200	8.500	5.530	12.600
21	5.830	24.400	45.000	70.200	39.200	20.400	25.200	40.200	22.800	8.500	5.760	14.400
22	5.990	21.200	43.000	57.300	31.900	22.000	23.600	34.600	19.600	7.540	5.160	12.800
23	6.240	19.600	33.700	47.000	31.000	21.200	22.000	32.800	17.600	7.920	5.600	10.800
24	13.100	21.200	29.400	37.300	30.200	20.400	18.800	34.600	15.600	6.400	6.830	9.200
25	26.200	27.600	25.200	29.400	28.500	19.600	17.000	36.400	13.900	5.460	5.680	6.490
26	43.000	37.300	22.800	26.800	30.200	19.600	18.200	36.400	14.900	5.530	5.380	5.760
27	44.000	41.100	23.600	26.800	38.200	22.000	17.700	31.900	13.500	7.100	4.940	5.680
28	35.500	59.400	29.400	28.500	33.700	34.800	17.100	31.900	11.700	7.360	4.800	6.320
29	29.400	81.200	48.400	31.000	30.200	73.600	17.700	38.200	10.600	8.700	4.230	5.830
30	23.600	76.800	74.600	36.400		138.000	17.700	38.200	12.600	8.900	4.720	5.680
31	19.600		79.000	36.400		215.000		38.200		7.270	5.080	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Washington, D.C.
Operated by U.S. Geological Survey

STATE: Maryland

MAJOR BASIN: North Atlantic

SUB BASIN: Potomac River

STATION LOCATION: Potomac River at Great Falls, Maryland

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	1.160	6.440	9.640	12.300	6.900	14.700	99.900	7.440	36.200	5.580	2.930	2.970
2	3.030	5.600	9.080	11.500	6.780	13.900	84.600	7.260	27.900	4.800	2.720	2.550
3	20.400	4.800	7.700	11.600	6.420	13.500	65.900	6.720	21.200	4.450	2.890	2.310
4	13.300	4.400	6.620	13.500	6.120	12.600	52.100	6.360	17.600	4.250	3.540	2.390
5	8.420	4.250	5.900	13.500	6.060	11.600	89.700	6.060	22.200	4.010	4.480	2.430
6	6.000	4.300	5.550	15.700	7.380	11.400	116.000	5.820	22.600	3.870	3.730	2.230
7	4.650	4.300	5.500	16.000	10.800	10.500	94.200	5.520	22.400	3.640	3.690	2.310
8	3.850	4.000	5.050	14.000	16.100	9.880	61.600	5.820	17.000	3.500	3.230	2.230
9	3.660	4.250	5.000	12.300	20.600	9.300	45.500	17.300	13.000	3.230	2.890	2.150
10	3.020	4.950	5.200	10.800	17.200	9.060	35.600	107.000	10.800	3.060	2.760	2.230
11	2.600	4.550	4.750	9.330	15.100	8.280	28.700	82.700	9.240	5.520	4.750	2.720
12	2.320	4.100	4.600	8.310	13.700	8.160	23.800	43.700	8.260	4.720	5.180	5.290
13	2.200	3.750	5.780	7.860	13.700	8.100	20.300	32.400	7.500	4.060	4.160	6.060
14	2.800	3.520	10.600	7.660	17.600	7.920	17.900	26.300	7.680	5.290	3.690	5.460
15	2.640	3.340	16.400	9.190	15.500	7.680	16.200	22.300	13.800	5.290	3.460	6.240
16	2.480	3.120	14.800	13.400	13.300	7.740	14.600	19.500	25.600	6.780	5.100	7.560
17	2.520	2.940	12.300	24.800	12.100	8.160	13.500	17.100	21.400	5.760	7.550	5.880
18	2.800	2.760	10.900	25.800	11.900	8.760	12.700	15.000	15.500	5.120	4.450	4.750
19	2.890	2.640	10.300	20.300	23.600	10.100	11.800	13.700	18.400	4.210	4.060	4.110
20	2.600	2.600	10.000	19.000	33.600	12.100	11.000	13.400	13.000	3.970	3.730	3.590
21	2.440	2.520	13.300	16.800	37.000	14.400	10.300	11.800	9.870	4.450	3.320	3.370
22	2.400	2.440	12.800	14.300	25.000	16.400	9.690	11.300	8.190	3.780	2.970	3.690
23	2.400	2.400	10.900	11.700	19.400	16.700	9.120	13.700	7.140	3.500	2.930	6.240
24	2.400	2.640	8.980	9.960	16.600	15.800	8.640	16.900	6.840	3.320	2.890	6.480
25	2.480	2.940	7.460	8.840	15.400	16.000	8.280	17.000	6.720	3.100	3.100	5.180
26	17.100	2.840	6.640	7.860	17.900	16.700	7.980	13.900	6.540	2.840	2.890	4.400
27	27.100	2.980	6.080	7.340	19.400	17.600	8.160	11.800	6.360	2.760	2.430	3.870
28	16.100	4.160	5.810	7.530	17.400	18.600	7.980	14.400	5.700	2.680	2.350	3.460
29	11.400	4.950	6.690	7.340	15.800	24.400	7.620	20.000	5.180	2.470	2.190	3.230
30	8.900	5.100	8.180	7.100		59.800	7.440	43.300	5.020	2.720	2.040	3.010
31	7.520		9.330	6.740		88.300		43.200		2.760	2.390	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Computed Data for Williamsport, Maryland
Operated by U.S. Geological Survey

STATE: Maryland

MAJOR BASIN: North Atlantic

SUB BASIN: Potomac River

STATION LOCATION: Potomac River at Williamsport, Maryland

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.490	7.740	10.600	12.500	7.370	15.400	122.000	8.180	35.000	4.880	3.070	2.930
2	37.700	6.680	9.190	11.100	7.060	14.800	84.000	7.600	26.300	4.860	3.170	2.790
3	23.600	5.940	7.930	10.400	6.650	14.200	55.800	7.220	21.200	4.760	3.150	3.130
4	13.600	5.620	7.160	11.100	6.530	13.600	55.200	6.940	24.200	4.700	3.300	2.960
5	9.320	5.490	6.710	15.000	6.240	12.800	104.000	6.610	25.100	4.590	3.520	2.680
6	6.910	5.390	6.310	18.100	7.360	12.200	136.500	6.340	26.600	4.180	3.720	2.980
7	5.520	5.250	6.000	16.300	12.700	11.200	93.700	5.890	22.400	3.960	3.460	2.610
8	4.550	5.240	5.680	14.200	24.300	10.500	60.400	7.440	16.600	3.680	3.200	2.510
9	4.100	6.190	6.380	12.500	21.600	9.760	45.100	57.400	13.500	3.560	2.910	2.410
10	3.490	5.630	6.330	11.000	17.700	9.230	35.500	143.000	11.500	3.320	4.030	2.900
11	3.280	5.110	5.890	9.760	15.400	8.830	28.800	72.000	10.100	3.620	4.330	2.900
12	3.360	4.740	5.440	8.720	14.700	8.630	24.100	42.400	8.940	3.820	3.840	3.590
13	3.460	4.410	6.190	8.500	20.400	8.440	21.100	32.400	8.490	3.630	3.480	4.310
14	3.320	4.160	14.600	8.470	20.600	8.280	19.100	27.200	11.100	4.070	3.360	6.930
15	3.300	3.970	17.400	10.300	17.600	8.140	17.400	24.000	25.400	5.460	3.650	8.480
16	3.620	3.710	15.200	17.000	15.300	8.250	15.900	21.000	28.900	5.840	8.400	6.160
17	4.850	3.550	12.800	27.900	13.300	8.770	14.800	18.600	18.500	5.450	4.880	4.790
18	4.500	3.460	11.800	23.300	12.700	9.240	13.800	16.700	15.700	4.510	4.330	3.860
19	4.000	3.360	11.600	19.200	20.000	10.000	12.600	16.300	14.700	4.840	4.180	3.500
20	3.480	3.250	14.800	18.000	41.100	12.100	11.800	14.600	11.300	5.670	3.810	3.500
21	3.580	3.120	15.800	16.700	33.400	15.400	11.000	13.000	9.420	4.460	3.280	4.210
22	3.290	3.010	13.900	13.800	23.100	16.700	10.400	14.700	8.040	4.100	3.300	9.130
23	3.290	3.000	12.200	11.500	19.100	16.500	9.860	16.000	7.640	3.880	3.060	7.730
24	3.520	3.080	10.600	10.300	17.200	16.000	9.360	19.000	7.230	3.570	3.410	5.890
25	5.300	3.180	9.190	9.110	16.300	16.600	9.050	16.200	7.330	3.280	3.190	4.950
26	44.400	3.300	8.320	8.350	16.000	18.300	8.580	13.600	7.070	3.070	2.820	4.280
27	26.900	3.530	7.780	8.260	16.700	20.200	8.560	12.100	6.620	2.890	2.740	3.820
28	17.400	4.430	7.560	7.960	16.600	22.000	8.430	13.800	5.960	2.750	2.530	3.460
29	13.000	4.860	8.210	7.580	16.100	41.400	8.460	35.900	5.780	2.740	2.440	3.370
30	10.700	9.170	9.800	7.400		91.700	8.320	57.200	5.590	3.050	2.330	3.260
31	8.950		12.400	7.310		116.000		45.800		3.230	3.130	

Computed as sum of Potomac River at Point of Rocks, Maryland plus Shenandoah River at Millville, West Virginia.

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Grand Forks, North Dakota
Operated by U.S. Geological Survey

STATE: North Dakota

MAJOR BASIN: Upper Mississippi

SUB BASIN: Red River of the North

STATION LOCATION: Red River (North) at Grand Forks, North Dakota

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.290	.642	.490	.480	.480	.480	4.100	5.780	2.510	3.510	.542	.820
2	.282	.662	.490	.500	.480	.475	5.500	5.630	2.540	3.830	.488	.827
3	.275	.648	.480	.550	.480	.470	6.500	5.250	2.710	4.190	.479	.806
4	.265	.640	.480	.560	.480	.465	7.350	4.920	3.030	3.730	.458	.813
5	.265	.520	.480	.540	.480	.460	8.000	4.590	3.100	3.200	.425	.802
6	.278	.350	.480	.520	.480	.455	9.200	4.270	2.920	2.860	.380	.782
7	.295	.310	.480	.500	.480	.450	11.000	3.990	2.700	2.590	.386	.750
8	.342	.360	.460	.500	.490	.450	12.800	3.740	2.500	2.380	.371	.704
9	.413	.400	.460	.500	.500	.440	14.300	3.510	2.390	2.210	.362	.659
10	.413	.470	.450	.500	.500	.440	15.600	3.310	2.340	2.060	.374	.624
11	.425	.460	.440	.490	.500	.450	16.900	3.120	2.220	1.910	.473	.610
12	.533	.435	.430	.480	.495	.460	17.000	3.010	2.140	1.740	.509	.614
13	.569	.430	.420	.480	.490	.470	14.900	2.920	2.160	1.660	.497	.600
14	.566	.400	.420	.495	.480	.470	13.100	2.840	2.360	1.670	.485	.569
15	.586	.380	.420	.500	.475	.470	11.200	2.760	2.500	1.540	.479	.545
16	.572	.410	.420	.500	.470	.470	9.920	2.680	2.500	1.460	.479	.518
17	.592	.420	.415	.500	.470	.470	9.000	2.600	2.400	1.360	.473	.506
18	.589	.400	.420	.500	.470	.470	8.250	2.560	2.300	1.260	.458	.479
19	.569	.370	.420	.500	.470	.460	7.500	2.500	2.230	1.180	.431	.452
20	.572	.350	.410	.500	.470	.450	6.780	2.420	2.300	1.130	.401	.437
21	.560	.350	.400	.490	.480	.450	6.120	2.360	2.470	1.100	.371	.434
22	.566	.370	.380	.480	.480	.450	5.520	2.310	2.460	1.060	.398	.431
23	.569	.390	.390	.490	.480	.450	5.160	2.220	2.420	1.010	.401	.419
24	.589	.410	.390	.500	.480	.450	4.900	2.120	2.300	.931	.392	.404
25	.603	.430	.390	.510	.480	.450	4.850	2.120	2.250	.887	.419	.401
26	.624	.450	.400	.500	.480	.470	5.000	2.080	2.430	.830	.461	.374
27	.638	.470	.400	.500	.480	.600	5.100	2.060	2.680	.810	.557	.368
28	.624	.480	.410	.490	.480	.670	5.520	2.010	3.360	.806	.666	.352
29	.634	.480	.420	.480	.480	.830	5.900	2.080	3.900	.778	.768	.360
30	.648	.490	.440	.480		1.200	5.950	2.300	3.860	.722	.764	.355
31	.645		.460	.480		2.780		2.440		.631	.757	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Alexandria, Louisiana
Operated by U.S. Geological Survey

STATE: Louisiana

MAJOR BASIN: Southwest-Lower Mississippi River

SUB BASIN: Lower Red River below Denison

STATION LOCATION: Red River at Alexandria, Louisiana

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	4.650	8.700	6.500	50.200	43.500	54.300	28.400	10.500	65.500	9.500	36.900	12.400
2	4.600	8.000	6.100	51.400	42.500	53.600	29.000	10.500	57.500	11.700	33.500	10.800
3	4.700	7.500	5.800	52.000	41.700	55.700	28.500	10.400	48.600	16.500	27.900	10.000
4	5.050	7.200	5.600	51.500	41.400	59.000	26.400	1[illegible]300	40.800	18.900	22.700	9.300
5	5.420	6.900	5.400	50.000	44.100	65.000	23.900	1[illegible]400	32.500	18.500	18.200	[illegible].900
6	5.750	7.500	5.300	49.800	46.300	65.500	21.900	12.300	26.000	15.900	15.700	8.600
7	5.900	8.100	5.300	54.300	48.500	65.200	19.900	17.000	21.400	13.800	14.300	8.200
8	6.000	8.200	5.700	55.000	55.100	63.900	18.000	18.600	18.400	12.200	10.400	7.300
9	6.700	8.800	6.000	56.100	65.700	61.100	17.600	18.900	16.400	11.200	9.400	6.600
10	13.600	14.300	6.200	57.600	69.100	58.700	16.600	20.600	14.900	10.700	8.700	5.900
11	35.000	20.600	5.800	62.700	69.100	55.700	15.700	27.300	13.800	11.000	8.200	5.500
12	41.500	23.000	5.700	63.900	64.100	52.800	14.400	33.900	13.100	11.700	7.700	5.200
13	46.400	22.100	5.400	63.700	53.200	49.300	13.200	34.800	12.200	11.400	7.500	5.050
14	51.200	20.400	5.700	62.500	47.400	47.900	12.700	33.500	11.800	10.800	7.550	5.000
15	53.400	18.700	6.300	61.800	43.000	47.300	12.400	30.100	11.500	10.300	7.600	5.000
16	54.000	17.400	9.200	63.600	39.800	48.200	12.300	26.400	11.400	10.100	7.500	4.990
17	54.300	15.900	21.500	69.800	38.200	48.300	12.100	23.200	11.100	10.300	7.400	4.700
18	56.700	14.400	36.600	75.100	38.200	48.100	11.800	19.400	10.800	10.600	7.500	4.700
19	57.900	13.700	50.500	78.600	41.200	48.300	11.800	16.800	10.700	10.900	7.100	5.000
20	55.800	13.000	65.800	80.800	43.400	48.200	11.600	14.700	10.400	10.800	6.800	5.150
21	48.300	12.400	79.700	81.500	46.000	47.000	11.500	12.800	10.300	10.400	6.950	5.000
22	40.700	12.200	87.300	81.300	48.600	44.100	11.500	11.300	10.300	10.200	7.000	4.700
23	32.300	12.000	86.500	79.700	49.200	40.600	11.400	10.100	11.000	10.600	6.600	4.300
24	29.400	11.800	83.300	72.400	49.300	36.200	11.200	9.500	10.500	10.900	5.500	3.800
25	27.400	11.200	79.500	67.000	53.700	32.000	11.000	17.200	10.300	10.900	5.100	3.300
26	24.000	10.400	72.500	61.800	56.600	29.400	10.500	44.400	10.500	10.400	5.000	3.900
27	19.700	9.200	68.800	56.700	57.300	28.500	10.400	59.400	10.700	9.800	6.000	4.400
28	15.300	8.400	66.100	51.400	56.500	26.800	10.300	67.200	10.800	9.000	8.200	5.150
29	12.500	7.600	62.000	47.500	55.300	25.700	10.300	71.900	11.000	8.900	11.300	5.800
30	10.700	6.900	55.300	45.400		25.000	10.500	73.700	11.000	13.200	13.500	6.000
31	9.900		49.800	44.500		24.900		71.300		28.200	13.700	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Index, Arkansas
Operated by U.S. Geological Survey

STATE: Arkansas

MAJOR BASIN: Southwest Lower Mississippi

SUB BASIN: Lower Red River below Denison

STATION LOCATION: Red River at Index, Arkansas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	4.200	3.600	2.680	20.100	12.700	10.200	11.600	5.200	13.400	5.010	10.600	5.200
2	3.530	3.750	2.930	18.100	12.300	11.600	9.920	6.010	10.900	4.660	7.400	4.200
3	3.320	3.600	2.800	18.100	11.900	14.200	8.180	6.220	9.000	5.010	6.010	3.260
4	4.350	3.900	2.380	18.100	11.300	15.400	7.400	6.010	8.720	4.830	4.830	3.190
5	5.010	4.660	2.230	16.300	13.400	15.000	7.140	5.600	8.720	5.400	4.200	3.260
6	12.100	9.300	2.230	16.300	25.800	13.800	6.440	5.400	7.400	7.660	3.900	3.120
7	32.600	14.600	2.300	17.700	30.000	12.300	5.400	10.700	6.440	6.900	4.500	3.260
8	35.900	13.800	2.300	24.000	27.000	11.300	4.500	25.800	5.400	5.600	4.830	3.320
9	35.900	12.300	2.380	27.000	22.300	10.600	4.830	30.000	4.660	4.500	5.010	3.260
10	49.600	11.600	2.380	25.200	18.600	9.600	5.800	27.000	4.200	4.830	5.200	2.680
11	53.800	10.200	2.570	22.300	15.900	9.300	5.800	20.100	3.900	5.800	4.500	2.740
12	53.000	8.440	2.680	19.600	15.400	9.600	5.800	15.900	3.600	6.440	3.900	3.530
13	50.400	7.140	3.900	17.700	15.000	9.920	5.800	13.600	3.530	7.140	3.530	3.900
14	47.800	6.660	4.660	21.200	14.600	9.600	5.200	12.300	3.460	6.440	4.200	3.900
15	54.600	6.440	5.200	27.000	13.800	10.200	4.660	9.300	5.800	4.830	4.350	3.530
16	60.000	6.010	9.600	29.400	13.800	11.300	5.200	6.220	7.400	4.500	3.750	2.740
17	47.800	6.010	29.400	28.200	14.200	11.900	7.140	5.010	5.800	6.010	3.320	2.300
18	30.600	6.220	51.200	30.000	13.800	12.300	7.660	4.660	4.660	6.660	3.190	2.120
19	22.300	6.220	56.400	33.900	12.700	12.300	7.400	4.200	4.660	6.440	3.800	2.380
20	22.300	5.600	48.700	31.300	11.300	10.600	6.660	3.460	4.500	5.600	2.620	3.000
21	22.300	4.660	39.600	24.600	11.600	8.720	5.600	3.600	4.200	5.200	3.120	3.260
22	18.100	4.050	32.000	19.100	11.600	7.660	4.500	19.700	3.900	4.200	3.750	3.260
23	11.300	3.600	27.000	16.700	10.900	7.140	4.660	41.200	4.500	3.750	4.200	2.930
24	7.140	3.190	28.200	15.400	10.900	6.010	5.200	52.100	4.830	4.830	4.830	2.620
25	5.600	2.860	31.800	14.600	10.900	5.010	5.200	57.300	5.010	6.220	9.300	3.190
26	4.660	2.360	26.400	13.800	10.900	5.010	5.600	55.500	5.400	9.600	8.180	3.900
27	4.500	2.570	21.200	13.400	10.600	5.300	6.220	53.000	7.140	19.100	5.400	4.200
28	4.350	2.380	17.700	13.000	10.200	14.200	5.600	43.600	8.180	24.600	4.500	5.600
29	3.750	2.300	19.100	13.000	10.200	20.100	4.350	32.000	7.400	21.800	4.200	7.660
30	3.320	2.470	22.300	13.000		17.200	4.350	24.600	6.220	16.700	4.350	6.440
31	3.460		22.300	13.000		13.800		18.600		13.400	5.010	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Colbert, Oklahoma
Operated by U.S. Geological Survey

STATE: Texas

MAJOR BASIN: Southwest-Lower Mississippi River

SUB BASIN: Lower Red River below Denison

STATION LOCATION: Red River at Denison, Texas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	1.950	.020	1.100	6.490	8.950	5.110	3.580	.020	2.830	5.200	3.410	2.290
2	3.880	.980	1.300	6.520	9.050	5.080	1.480	2.680	3.360	3.090	3.380	2.640
3	3.630	.950	1.160	6.600	9.190	5.100	.030	2.860	3.530	.610	4.160	2.470
4	6.040	2.070	1.420	7.780	9.110	6.210	4.070	3.680	1.420	.630	4.440	.380
5	5.940	2.900	.040	7.000	9.240	5.340	3.830	3.310	.020	4.980	3.780	1.790
6	10.400	4.280	.040	6.680	9.210	4.800	3.770	2.320	1.700	5.270	1.890	3.730
7	34.100	4.780	1.980	6.570	6.490	6.470	3.960	.030	1.550	5.290	.020	3.620
8	38.800	5.100	2.100	6.900	9.150	6.540	4.540	.030	1.240	5.800	3.270	3.290
9	39.400	4.740	2.130	4.930	10.100	6.170	1.770	2.240	2.770	4.090	2.920	2.880
10	39.600	4.510	2.280	4.180	10.000	5.790	2.360	2.330	6.290	.480	1.940	.270
11	39.700	4.560	2.870	5.870	9.950	6.180	3.250	.330	9.630	5.390	1.600	.020
12	38.900	4.410	2.040	5.740	10.100	4.930	3.490	3.210	1.810	5.520	1.890	.410
13	39.100	5.040	1.330	6.800	10.800	4.610	4.060	1.250	3.350	5.520	.020	2.900
14	36.200	5.080	2.320	7.790	10.000	5.290	3.490	.400	3.470	2.640	.020	2.790
15	25.900	5.110	1.700	8.930	6.120	3.490	3.730	.030	2.750	4.540	2.010	2.730
16	17.500	2.740	2.590	8.610	4.500	2.850	1.330	2.190	1.580	3.130	2.300	2.650
17	20.200	1.940	4.500	7.200	4.590	2.510	.030	2.170	2.640	.020	2.420	1.940
18	20.200	1.500	7.590	8.950	5.080	3.540	2.820	1.930	3.970	4.310	1.660	.720
19	12.900	.050	9.700	8.750	4.540	2.410	2.850	2.700	3.700	5.150	1.430	3.130
20	2.570	1.880	9.730	8.730	4.470	.040	3.090	2.260	3.720	5.160	.930	2.860
21	1.640	.040	15.100	8.700	5.260	2.420	4.170	.370	4.980	4.830	.240	2.880
22	2.540	.040	10.000	8.860	5.100	2.950	4.510	.030	5.000	4.360	1.960	2.730
23	2.960	1.520	21.400	8.420	4.440	2.230	2.200	4.860	4.780	2.050	2.100	2.010
24	.020	1.360	15.700	8.390	4.990	2.910	.030	5.710	4.000	.020	2.360	.250
25	2.120	1.500	10.600	9.010	5.060	2.940	4.160	5.860	3.010	4.270	3.570	.020
26	1.650	2.520	10.600	9.250	5.030	1.980	4.150	5.350	2.160	4.710	3.490	.300
27	1.740	1.720	10.500	9.100	5.070	.040	4.120	5.130	3.420	3.980	2.150	.300
28	1.450	.040	10.200	9.340	5.250	2.720	3.350	3.240	3.340	2.680	.020	.940
29	1.220	.040	9.630	9.250	5.060	2.410	3.540	2.930	3.760	3.010	1.920	1.940
30	1.790	1.860	10.200	8.500		3.140	.930	3.480	4.090	1.750	2.020	1.910
31	1.320		9.550	5.800		3.790		5.130		.270	1.860	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Computed Data for Brownsville, Texas
Supplied by International Boundary and Water Commission

STATE: Texas

MAJOR BASIN: Western Gulf

SUB BASIN: Lower Rio Grande below Pecos River

STATION LOCATION: Rio Grande at Brownsville, Texas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.256	.645	.367	.345	.902	.604	2.640	.883	.303	.778	.219	.487
2	.141	.520	.428	.810	1.068	.527	.173	.686	.165	.712	.278	.524
3	.178	.968	.450	1.027	.867	.544	.204	.470	.152	.672	.217	.496
4	.287	.330	.339	1.087	.596	.537	.384	.382	.172	.765	.182	.711
5	.996	.310	.235	.753	.506	.458	.597	.361	.229	.722	.179	.681
6	1.628	.559	.190	.355	.356	.369	.420	.330	.244	.341	.156	1.407
7	1.842	.481	.258	.190	.195	.408	.296	.316	.189	.491	.135	2.097
8	1.561	.364	.351	.100	.299	.457	.251	.355	.254	.588	.404	2.527
9	1.156	.274	.375	.167	.484	.321	.111	.523	.247	.290	.413	2.777
10	.793	.348	.285	.341	.419	.212	.070	.603	.233	.411	.197	2.557
11	.556	.386	.263	.467	.344	.134	.373	.512	.353	.370	.136	1.717
12	.779	.322	.216	.537	.388	.328	.384	.309	.414	.410	.160	1.077
13	.899	.314	.118	.404	.352	.455	.446	.215	.317	.463	.204	.880
14	1.018	.284	.086	.267	.762	.679	.402	.144	.421	.357	.628	1.207
15	1.028	.578	.609	.205	1.437	.845	.368	.114	.549	.311	1.277	1.457
16	1.009	.563	.600	.063	1.282	.648	.261	.206	.379	.382	1.479	1.207
17	.936	.540	.324	.145	.497	.702	.283	.650	.213	.366	.959	.768
18	.657	.558	.200	.325	.188	.582	.720	.579	.057	.643	.608	.452
19	.513	.634	.155	.437	.553	.513	1.305	.195	.122	.719	.478	.400
20	.478	.522	.286	.379	.949	.569	2.282	.069	.415	.591	.526	.345
21	.581	.340	.309	.478	1.155	.593	2.785	.089	.789	.422	.589	.328
22	.703	.237	.167	.655	1.215	.461	1.871	.320	.970	.860	.600	.259
23	.940	.256	.132	.569	.947	.368	.786	1.230	1.310	.781	.507	.375
24	.738	.150	.100	.552	.655	.293	.406	.677	1.195	.584	.299	.434
25	.659	.056	.153	.922	.495	.219	.318	.259	1.237	.444	.199	.263
26	.477	.020	.391	.979	.440	.182	.647	.308	1.299	.392	.156	.184
27	.394	.019	.469	.986	.383	.174	.891	.588	1.572	.260	.142	.205
28	.314	.018	.627	.921	.465	.315	1.035	.971	.629	.363	.258	.218
29	.300	.017	.778	.532	.647	.420	1.025	1.001	.555	.449	.477	.373
30	.603	.047	.348	.202		.348	.951	.101	.679	.335	.597	.586
31	.915		.166	.237		.309		.526		.243	.575	

Computed as being sum of (1) Flow at Lower Brownsville Station, (2) City of Matamoros Diversion and (3) average daily Diversions at El Jardin Pump.

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Laredo, Texas
Supplied by International Boundary and Water Commission

STATE: Texas

MAJOR BASIN: Western Gulf

SUB BASIN: Lower Rio Grande below Pecos

STATION LOCATION: Rio Grande River at Laredo, Texas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	2.400	2.740	2.530	2.560	2.840	3.400	1.680	5.190	.950	.643	4.380	7.590
2	2.400	3.410	2.520	2.490	2.840	3.200	1.680	2.700	.918	.579	3.420	9.360
3	13.170	3.530	2.650	2.600	2.750	3.100	1.770	1.940	.950	.579	2.880	9.290
4	12.890	3.530	2.500	2.490	2.750	2.990	2.000	1.660	.918	.579	2.830	8.160
5	17.520	3.270	2.630	2.450	3.220	2.920	2.000	1.560	.918	.614	2.610	8.690
6	23.380	3.270	2.620	2.450	3.130	2.850	1.890	1.560	.840	.614	2.280	7.490
7	27.230	3.090	2.620	2.450	2.930	2.990	1.680	1.480	.865	.579	2.060	7.100
8	7.950	3.090	2.480	2.450	2.840	2.850	1.680	1.300	.890	.491	1.910	.699
9	7.170	2.990	2.480	2.540	2.930	2.780	1.580	1.300	.918	.491	1.910	6.000
10	5.050	3.050	2.480	2.690	2.980	2.700	1.540	1.300	.865	9.010	1.960	5.300
11	3.990	2.990	2.480	2.540	2.770	2.990	1.490	1.300	.773	5.930	3.160	4.870
12	3.670	2.990	2.680	2.690	2.970	3.100	1.540	1.240	1.320	6.140	3.670	4.450
13	3.500	2.990	2.630	2.920	3.300	2.990	1.490	1.160	1.890	4.910	4.410	4.240
14	3.360	3.090	2.220	2.840	3.600	2.780	1.540	1.030	1.630	4.940	4.270	3.880
15	7.560	3.050	2.150	2.770	3.530	2.700	1.540	1.090	1.630	4.450	3.830	3.530
16	7.030	2.990	2.480	3.160	3.340	2.520	1.730	1.090	1.310	6.460	4.130	3.350
17	4.410	2.990	2.430	2.230	3.030	2.520	1.730	1.340	.989	6.960	4.870	3.150
18	3.740	2.990	2.550	2.230	2.930	2.330	1.680	1.790	.918	7.770	6.140	2.950
19	3.600	2.810	2.750	2.540	3.030	2.110	1.620	1.540	.961	16.700	4.980	2.830
20	3.450	2.810	2.590	2.840	3.030	2.000	1.620	1.150	1.430	8.160	4.170	2.650
21	3.320	2.810	2.430	2.620	3.030	2.000	1.430	1.020	1.530	6.990	3.710	2.390
22	3.220	2.990	2.310	2.430	3.130	2.000	1.290	.961	1.130	7.420	3.480	2.260
23	3.130	2.990	2.200	2.370	3.030	1.890	1.250	.918	.936	5.050	3.920	2.190
24	3.130	3.090	2.390	2.370	2.980	1.890	1.250	1.310	1.000	5.370	4.100	3.280
25	3.090	2.990	2.270	2.370	2.830	1.790	1.330	1.990	.936	4.200	4.700	7.730
26	2.930	2.940	2.350	2.370	3.000	1.790	1.520	1.470	.848	4.730	5.760	6.000
27	3.040	2.810	2.500	2.790	3.000	1.840	1.680	1.230	.819	5.150	4.030	3.090
28	2.830	2.680	2.440	2.720	2.660	2.220	1.730	1.150	.759	4.870	6.640	2.390
29	2.740	2.540	2.250	2.870	2.850	2.220	1.840	1.150	.759	4.480	12.040	2.150
30	2.650	2.410	2.260	2.970		2.000	3.270	1.080	.675	4.200	12.290	2.020
31	2.560		2.530	2.970		1.840		1.080		5.300	7.980	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station below Caballo Dam, New Mexico
Operated by U.S. Bureau of Reclamation

STATE: Texas

MAJOR BASIN: Western Gulf

SUB BASIN: Upper Rio Grande above Pecos

STATION LOCATION: Rio Grande River at El Paso, Texas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.0012	.0014	.0011	.0012	.0011	.001	2.090	.746	1.460	2.670	2.880	1.910
2	.0013	.0014	.0011	.0012	.0011	.486	1.850	.841	1.420	2.750	2.540	1.940
3	.0013	.0014	.0011	.0012	.0011	.971	1.850	.973	1.410	2.650	2.230	2.000
4	.0012	.0014	.0011	.0012	.0012	1.020	1.780	1.080	1.440	2.540	2.250	1.990
5	.0012	.0013	.0011	.0012	.0012	1.200	1.550	1.110	1.440	2.230	2.360	1.960
6	.0012	.0013	.0011	.0012	.0012	1.690	1.340	1.110	1.450	1.770	2.410	2.120
7	.0012	.0013	.0011	.0012	.0012	1.840	1.340	1.140	1.540	1.070	2.400	2.270
8	.0012	.0013	.0012	.0012	.0012	2.020	1.230	1.140	1.640	.633	2.240	2.250
9	.0012	.0013	.0012	.0012	.0012	2.200	1.160	1.130	1.600	.493	2.120	2.260
10	.0012	.0013	.0012	.0012	.0012	2.260	1.170	1.210	1.630	.493	1.870	2.280
11	.0012	.0013	.0012	.0012	.0012	2.260	1.180	1.440	1.370	.493	1.720	2.010
12	.0012	.0012	.0012	.0012	.0012	2.290	1.100	1.440	1.300	.948	1.600	1.440
13	.0012	.0012	.0012	.0012	.0012	2.430	1.010	1.600	1.390	1.340	1.510	.936
14	.0012	.0012	.0012	.0012	.0013	2.420	.988	1.890	1.430	1.200	1.430	.807
15	.0012	.0012	.0012	.0012	.0013	2.460	.984	1.890	1.660	1.040	1.320	.738
16	.0012	.0011	.0012	.0012	.0013	2.580	1.020	1.820	1.760	.979	1.520	.157
17	.0012	.0011	.0012	.0013	.0012	2.580	1.020	1.640	1.970	.971	1.830	.016
18	.0012	.0010	.0012	.0013	.0012	2.630	1.020	1.560	2.260	1.000	1.930	.014
19	.0012	.0010	.0012	.0013	.0012	2.680	1.010	1.480	2.340	1.460	2.190	.012
20	.0013	.0011	.0012	.0013	.0012	2.680	1.050	1.330	2.340	1.850	2.360	.010
21	.0013	.0011	.0012	.0012	.0012	2.680	1.170	1.220	2.540	1.890	2.340	.008
22	.0013	.0011	.0012	.0012	.0012	2.900	1.260	1.200	2.720	2.040	2.340	.006
23	.0013	.0011	.0012	.0012	.0012	3.130	1.310	1.200	2.630	2.430	2.200	.004
24	.0013	.0011	.0012	.0012	.0012	3.010	1.320	1.280	2.600	2.750	2.110	.003
25	.0013	.0011	.0012	.0012	.0012	2.710	1.310	1.380	2.590	2.850	2.180	.003
26	.0013	.0011	.0011	.0012	.0012	2.580	1.120	1.440	2.570	2.870	2.240	.002
27	.0013	.0011	.0011	.0013	.0012	2.650	.985	1.520	2.580	2.860	2.290	.002
28	.0013	.0011	.0010	.0013	.0012	2.740	.888	1.590	2.460	2.960	2.230	.002
29	.0014	.0011	.0010	.0013	.0012	2.500	.764	1.610	2.320	2.990	2.130	.002
30	.0014	.0011	.0010	.0013		2.280	.748	1.540	2.450	3.000	1.930	.002
31	.0014		.0010	.0013		2.280		1.480		3.010	1.900	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Ruliff, Texas
Operated by U.S. Geological Survey

STATE Texas

MAJOR BASIN Western Gulf

SUB BASIN Sabine River

STATION LOCATION Sabine River at Ruliff, Texas

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.970	3.970	1.590	13.200	13.200	23.400	9.020	4.660	1.740	7.800	1.900	2.290
2	.930	3.160	1.540	13.200	14.100	23.400	9.600	5.060	1.640	6.420	1.960	2.290
3	.910	2.650	1.490	13.200	15.100	23.400	9.920	4.960	1.590	4.760	1.900	2.290
4	.910	2.290	1.440	13.500	16.600	22.700	9.600	4.760	1.490	3.900	1.960	2.290
5	.910	2.060	1.490	14.100	17.000	22.700	9.300	4.660	1.440	3.420	2.060	2.350
6	.930	1.790	1.490	14.800	17.500	22.700	8.260	4.580	1.440	3.020	1.540	2.470
7	.970	1.640	1.440	14.800	18.500	22.000	7.180	4.500	1.440	2.830	1.440	2.530
8	1.010	1.690	1.400	15.100	18.500	21.400	6.100	4.420	1.400	2.710	1.350	2.240
9	1.010	2.770	1.400	15.100	18.500	20.800	5.160	4.660	1.400	2.710	1.220	1.960
10	1.010	3.550	1.400	15.400	18.000	19.600	4.660	4.660	1.490	2.960	1.130	1.640
11	1.050	3.690	1.400	15.800	17.000	19.000	4.340	4.340	1.590	3.160	1.090	1.400
12	1.050	3.480	1.640	16.200	16.600	18.500	4.110	3.760	1.540	3.160	1.010	1.220
13	1.050	3.280	2.120	16.200	16.200	18.000	4.040	3.280	1.440	3.090	1.010	1.090
14	1.130	3.020	2.410	16.200	14.800	18.000	4.040	2.960	1.440	3.020	1.050	1.010
15	1.300	2.710	2.410	16.200	13.500	18.000	4.110	2.830	1.400	2.900	1.050	.950
16	1.900	2.530	2.650	16.600	12.700	18.000	3.970	2.770	1.440	2.710	1.050	.910
17	2.770	2.410	4.120	18.000	12.200	17.500	3.830	2.770	1.640	2.410	1.010	.850
18	3.550	2.350	6.690	18.500	12.700	18.000	3.620	2.770	1.840	2.830	.970	.790
19	4.040	2.410	11.000	18.500	13.500	18.500	3.480	2.770	1.900	3.550	.950	.752
20	4.340	2.650	13.200	18.500	14.100	19.000	3.280	2.770	1.900	3.690	.950	.718
21	4.580	2.900	14.400	18.500	15.100	18.500	3.160	2.770	1.900	3.690	1.050	.718
22	4.760	3.090	15.100	17.500	15.800	17.000	3.020	2.770	2.010	3.350	1.170	.682
23	4.860	3.160	15.800	16.200	16.200	15.400	2.900	2.770	2.060	2.900	1.300	.665
24	5.060	3.020	15.800	15.400	17.500	13.500	2.830	2.830	2.060	2.650	1.350	.648
25	5.160	2.900	16.200	14.800	19.000	11.800	2.710	2.770	1.960	2.410	1.590	.648
26	5.400	2.650	16.200	14.100	20.200	9.920	2.650	2.650	2.060	2.230	1.790	.700
27	5.660	2.410	16.200	13.300	21.400	8.760	2.590	2.470	3.460	2.120	2.290	.718
28	5.800	2.120	15.400	13.800	22.000	7.800	2.650	2.290	5.660	2.060	2.770	.770
29	5.940	1.900	15.100	13.800	23.400	7.380	2.770	2.120	7.380	2.060	2.710	.810
30	5.660	1.740	14.400	13.800		7.580	3.830	2.010	8.020	2.010	2.590	1.220
31	4.960		13.500	13.800		8.260		1.840		1.960	2.410	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Clyo, Georgia
Operated by U.S. Geological Survey

STATE: Georgia

MAJOR BASIN: Southeast

SUB BASIN: Savannah River

STATION LOCATION: Savannah River at Port Wentworth, Georgia

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	11.500	23.100	11.400	11.500	20.800	38.600	20.400	17.200	7.510	8.270	11.100	6.920
2	11.900	23.600	10.300	12.000	22.200	38.500	19.200	16.900	7.390	8.550	10.700	7.630
3	12.700	24.000	10.200	12.500	24.500	38.500	18.800	16.900	7.750	8.410	10.100	8.690
4	13.300	24.500	10.600	12.900	27.500	38.500	18.800	16.900	8.550	8.130	10.100	8.970
5	13.700	25.000	11.100	12.900	31.400	37.900	20.000	16.300	9.590	7.630	10.700	8.690
6	14.300	25.000	11.400	12.700	35.100	37.900	22.800	15.800	10.200	7.510	11.400	7.870
7	14.500	24.500	11.500	12.700	37.900	36.700	29.200	15.300	10.100	7.750	11.800	7.390
8	14.100	24.000	10.700	13.100	38.600	35.500	35.500	15.000	9.750	8.130	11.600	7.150
9	13.100	23.600	9.620	13.700	35.800	34.300	38.500	14.800	9.430	9.270	10.200	7.150
10	12.000	23.100	9.480	14.300	34.400	33.100	39.700	14.600	9.270	10.400	8.550	7.630
11	11.200	23.100	10.300	14.800	32.600	32.500	39.700	14.000	9.270	10.600	8.270	8.130
12	10.700	22.600	11.100	15.500	31.400	31.300	39.700	13.600	8.830	9.750	7.750	8.270
13	11.100	22.200	11.500	16.200	32.000	30.200	39.100	13.600	8.270	8.550	10.000	7.870
14	11.400	21.300	11.900	17.100	34.400	29.200	37.300	14.000	7.990	8.270	10.000	7.510
15	11.500	20.000	11.400	18.400	37.200	28.200	36.100	14.400	7.750	8.550	9.000	7.150
16	11.700	19.200	10.700	19.200	40.000	27.200	34.900	14.800	7.390	9.270	7.870	7.150
17	12.300	18.000	10.700	19.600	41.500	26.700	33.700	15.600	7.270	9.430	7.390	7.510
18	13.300	17.100	11.700	19.600	42.300	26.200	31.900	16.300	7.390	8.690	7.390	7.870
19	13.900	16.200	12.700	19.600	42.300	25.700	29.700	16.900	7.510	7.870	7.990	7.870
20	14.800	15.000	13.500	19.200	42.300	25.200	27.200	16.300	7.510	7.390	8.550	7.390
21	15.500	14.300	14.300	18.800	41.500	25.200	25.200	15.000	7.390	7.030	8.830	7.030
22	16.200	14.100	15.000	18.000	40.700	24.700	23.200	13.400	7.510	7.030	8.410	6.920
23	16.500	13.900	15.500	17.100	37.900	24.200	21.600	11.600	7.750	7.150	7.510	7.030
24	16.800	14.100	15.000	16.800	37.200	24.200	20.000	9.750	7.990	7.390	7.150	7.510
25	17.100	13.900	15.000	16.800	37.200	24.700	19.200	8.410	8.550	7.510	7.270	7.750
26	17.400	13.300	15.000	17.100	37.200	24.200	18.800	7.750	9.430	7.270	7.990	7.510
27	17.700	12.900	15.000	17.700	37.900	24.200	18.800	7.990	9.110	7.150	8.690	7.030
28	18.400	12.700	14.000	18.400	37.900	23.200	18.800	8.130	8.550	7.270	8.970	6.700
29	19.600	12.300	13.300	18.800	38.600	22.800	18.400	8.130	8.130	7.870	8.550	6.700
30	20.800	12.000	11.900	19.200		22.400	17.800	8.270	7.990	8.830	7.510	6.920
31	22.200		11.100	20.000		22.000		7.990		10.200	7.030	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Augusta, Georgia
Operated by U.S. Geological Survey

STATE: South Carolina

MAJOR BASIN: Southeast

SUB BASIN: Savannah River

STATION LOCATION: Savannah River at North Augusta, South Carolina

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	15.300	18.400	9.630	10.200	27.700	28.000	25.300	6.040	7.880	6.670	6.450	7.990
2	16.500	15.400	10.800	7.940	24.500	26.900	23.600	7.210	7.550	6.010	9.630	8.100
3	7.910	19.200	11.000	7.880	22.000	25.000	22.600	10.600	7.770	5.680	10.500	6.010
4	6.430	20.800	9.750	10.500	21.300	25.200	23.900	11.100	6.120	5.570	10.800	5.790
5	5.550	21.100	6.920	12.100	21.800	25.200	30.800	11.000	5.900	5.570	9.990	5.790
6	6.930	20.600	5.930	15.400	24.500	25.500	28.900	10.400	6.120	6.230	6.560	5.790
7	7.040	17.900	6.730	18.600	30.600	17.900	27.000	6.330	6.230	8.320	5.570	6.560
8	6.630	10.200	9.990	23.700	30.300	19.800	27.300	7.590	7.110	7.880	5.790	7.770
9	6.030	9.990	11.100	20.000	29.700	20.000	27.900	9.720	6.450	6.230	8.430	7.220
10	7.370	13.800	10.800	9.630	28.800	20.400	27.000	22.900	6.120	5.570	9.270	6.120
11	7.700	13.000	10.400	9.220	30.000	20.900	25.300	19.000	6.010	5.900	9.030	5.900
12	7.480	14.200	7.310	16.200	29.700	19.600	18.900	15.800	6.010	5.900	8.790	5.790
13	5.640	13.600	6.330	16.100	28.400	15.500	15.400	16.400	5.680	6.670	5.680	5.900
14	7.040	11.900	7.910	15.800	33.200	13.200	15.000	13.400	5.350	7.550	5.460	6.670
15	11.600	6.830	11.000	15.600	30.000	19.600	15.200	6.450	5.570	7.550	5.790	7.220
16	11.700	8.730	11.200	12.400	28.300	20.900	13.200	7.000	5.680	5.790	6.890	7.330
17	8.360	13.000	11.000	6.560	29.100	23.200	7.510	7.770	5.680	5.570	7.990	6.010
18	7.370	14.000	11.100	10.000	30.000	22.000	10.700	7.990	5.900	5.680	8.210	5.900
19	10.600	14.400	7.990	22.000	30.300	19.700	13.500	7.990	5.790	5.570	8.100	5.790
20	16.900	14.000	6.130	19.200	30.600	14.800	17.400	7.990	5.680	5.680	5.570	5.900
21	16.700	11.400	8.880	16.800	29.400	12.500	16.500	6.560	5.570	6.340	5.570	6.670
22	19.000	6.130	11.400	16.200	29.400	16.500	16.000	5.680	6.340	6.890	5.680	7.440
23	25.000	7.640	11.600	14.100	31.300	17.600	12.800	5.570	7.660	5.680	6.230	7.330
24	22.800	10.800	11.500	10.500	30.300	17.600	6.330	6.010	7.220	5.570	7.990	5.900
25	16.300	11.100	7.300	11.600	30.300	17.200	7.950	6.890	5.900	5.900	8.210	5.790
26	13.300	8.120	5.930	15.400	31.600	13.100	13.300	6.010	5.680	5.900	7.770	5.790
27	17.400	9.740	5.930	17.200	28.000	6.030	12.900	6.890	5.460	6.670	6.010	5.790
28	19.500	7.570	6.830	18.000	28.500	5.460	13.000	5.900	6.010	7.660	5.680	6.450
29	19.000	6.130	10.600	18.500	26.300	5.550	13.300	5.790	6.670	10.600	5.680	7.660
30	20.800	7.480	12.500	23.200		16.300	12.100	5.790	6.890	6.120	6.340	7.770
31	22.600		12.500	26.600		27.300		6.120		5.900	7.990	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Philadelphia, Pennsylvania
Operated by U.S. Geological Survey

STATE: Pennsylvania

MAJOR BASIN: North Atlantic

SUB BASIN: Delaware-Schuylkill Rivers

STATION LOCATION: Schuylkill River at Philadelphia, Pennsylvania

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	1.470	1.410	4.100	3.300	2.410	3.460	8.930	1.790	2.610	1.220	1.600	2.840
2	1.330	1.730	3.240	2.820	2.260	3.030	6.950	1.980	2.120	2.040	1.040	1.650
3	1.420	1.410	2.660	8.340	2.070	2.900	5.840	1.650	1.790	1.880	.798	1.080
4	.818	1.200	2.310	10.400	1.790	2.460	13.900	1.480	1.700	1.270	.666	.798
5	.606	1.080	2.250	7.280	1.790	2.610	20.100	1.350	3.020	1.080	.850	.600
6	.574	1.210	2.150	5.700	3.140	2.660	17.900	1.270	2.920	.968	3.470	.510
7	.478	3.410	5.800	4.750	4.040	2.460	12.300	1.230	2.410	.831	1.870	.450
8	.510	2.980	7.900	4.000	3.130	2.210	8.840	1.230	1.830	.765	1.230	.398
9	1.990	2.050	5.200	3.600	2.660	2.070	7.280	1.840	1.610	.699	.968	.425
10	1.000	1.680	4.400	3.300	2.560	2.020	6.040	4.020	1.400	.686	.930	.610
11	1.120	1.450	3.700	3.000	5.410	1.930	5.000	3.580	1.310	.699	1.050	.782
12	.744	1.330	4.800	2.610	5.760	1.830	4.400	2.980	1.420	.699	1.280	23.300
13	.638	1.200	13.000	2.920	5.520	1.790	3.920	3.130	1.740	.666	.968	27.600
14	.929	1.290	11.000	3.630	4.700	1.740	3.520	3.240	1.650	2.270	.864	10.500
15	.818	1.240	9.000	4.650	3.980	1.790	3.240	2.760	1.730	4.360	.864	5.820
16	.744	1.290	7.300	5.660	3.580	1.830	3.030	2.560	4.820	2.470	.864	4.160
17	.638	1.330	5.700	3.690	3.350	2.210	2.820	2.260	2.610	1.440	.968	3.290
18	.542	1.410	4.280	3.240	3.740	2.760	2.760	2.660	2.410	1.080	.798	2.930
19	.510	1.240	3.740	4.880	10.000	3.920	2.870	3.190	3.030	.897	.732	3.340
20	.478	1.040	3.240	4.340	8.270	3.690	2.460	2.610	2.260	.831	.699	8.890
21	.446	1.000	2.710	3.190	5.780	3.630	2.260	2.560	1.850	1.010	.600	12.400
22	.414	1.040	2.610	2.660	4.760	3.410	2.120	3.350	1.610	.798	.600	7.470
23	.446	.966	2.310	2.460	4.280	3.080	2.020	4.220	1.480	.666	1.010	5.400
24	1.250	1.160	1.980	2.260	3.800	2.820	1.880	4.760	1.440	.600	.831	4.220
25	2.970	2.040	1.980	2.070	3.460	3.080	1.790	3.740	1.480	.540	.600	3.550
26	3.140	2.590	1.930	1.980	5.520	2.660	1.790	3.240	1.570	.480	.480	3.080
27	2.390	1.860	1.980	1.930	5.130	2.410	1.930	2.710	1.160	.860	.372	2.680
28	1.910	2.010	2.410	3.120	4.100	2.610	2.070	2.410	.930	.348	.346	2.440
29	1.590	7.350	9.230	3.860	3.690	3.190	1.790	2.410	.864	.897	.320	2.340
30	1.330	5.720	5.780	3.190		3.980	1.570	2.710	.864	2.730	.274	2.340
31	1.290		4.220	2.710		7.120		2.460		2.230	2.030	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Clarkston, Washington
Operated by U.S. Geological Survey

STATE: Washington

MAJOR BASIN: Pacific Northwest

SUB BASIN: Middle and Lower Snake River

STATION LOCATION: Snake River at Wawawai, Washington

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	35.700	40.700	44.000	30.500	31.900	26.500	83.500	57.000	116.000	52.300	20.100	23.300
2	33.700	41.500	42.900	28.000	33.200	30.400	75.100	58.300	121.000	51.300	26.000	21.300
3	32.100	41.100	41.900	26.000	35.600	30.500	69.900	61.700	138.000	48.300	30.600	19.700
4	31.500	46.000	40.100	25.800	33.300	31.000	71.700	64.500	155.000	43.300	29.100	14.800
5	31.400	45.000	38.200	28.100	32.800	31.500	77.700	68.100	157.000	37.500	28.100	14.600
6	31.900	40.500	35.700	30.500	35.600	31.700	88.000	70.700	148.000	33.800	25.400	16.500
7	32.500	37.600	35.200	31.000	40.400	35.900	96.300	77.100	144.000	39.000	24.300	19.700
8	35.500	35.700	35.800	31.100	45.600	41.700	102.000	92.000	137.000	35.700	22.400	19.100
9	34.700	35.500	34.200	30.600	43.500	42.500	106.000	95.700	127.000	34.000	22.200	20.500
10	42.800	34.700	33.600	29.500	40.400	39.100	105.000	96.500	120.000	32.100	23.200	20.100
11	43.100	34.700	33.800	28.000	37.800	37.500	99.500	111.000	117.000	28.800	22.500	19.200
12	58.600	35.500	33.000	28.900	36.700	37.700	99.400	133.000	116.000	28.500	21.800	16.200
13	67.200	38.900	32.100	29.900	36.000	37.700	92.500	154.000	114.000	28.000	19.000	17.700
14	58.000	33.000	31.700	28.800	34.800	36.000	86.100	152.000	109.000	27.000	18.200	20.600
15	52.600	32.000	31.700	27.100	32.500	36.400	83.200	131.000	108.000	26.000	16.300	21.900
16	54.500	32.000	32.700	27.100	33.000	36.800	77.700	118.000	117.000	25.800	16.500	22.800
17	52.800	31.000	31.800	28.100	34.100	35.700	71.900	118.000	116.000	24.000	18.100	22.600
18	48.700	32.000	31.000	27.000	34.200	38.000	69.200	108.000	105.000	23.600	19.500	20.000
19	46.500	34.400	30.100	26.900	33.800	40.800	70.800	99.700	92.000	23.300	19.000	17.200
20	44.300	34.300	29.000	25.800	34.200	44.000	73.500	93.100	82.400	22.600	18.300	18.200
21	46.000	35.700	27.200	28.200	34.200	48.600	79.000	95.000	78.300	22.000	17.500	20.100
22	48.900	37.800	28.000	29.000	34.000	56.300	76.000	94.300	71.800	22.700	14.100	20.900
23	58.900	43.400	28.300	31.100	32.100	64.700	70.500	88.800	66.500	23.300	15.500	20.100
24	66.600	61.300	29.000	31.600	31.000	71.300	65.400	86.000	64.600	21.900	17.200	20.300
25	62.800	61.500	29.800	30.100	32.000	75.500	60.600	83.400	65.200	20.300	19.500	18.800
26	59.900	56.700	29.400	31.100	31.100	82.400	58.000	80.800	63.500	22.500	21.700	16.900
27	54.900	52.900	28.000	31.400	31.600	85.700	56.500	84.100	57.800	23.200	21.900	18.200
28	49.300	48.200	26.100	30.100	30.600	89.500	55.000	90.700	55.900	22.700	22.600	20.000
29	51.200	47.200	27.500	30.700	28.100	89.100	55.600	89.700	55.000	22.500	19.800	21.500
30	48.300	46.500	29.400	31.800		93.600	56.500	92.300	53.100	21.300	20.200	22.400
31	40.700		28.800	33.500		93.100		109.000		19.300	21.900	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Weiser, Idaho
Operated by U.S. Geological Survey

STATE Idaho

MAJOR BASIN Pacific Northwest

SUB BASIN Central Snake River

STATION LOCATION Snake River at Weiser, Idaho

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	16.200	14.800	13.800	13.000	14.000	11.300	21.700	11.100	18.100	10.000	12.600	11.900
2	15.900	13.900	13.700	11.400	17.600	12.600	18.400	12.400	18.900	10.300	14.200	12.100
3	15.600	13.900	13.900	11.600	16.400	12.900	18.100	13.000	19.400	10.000	13.800	11.900
4	15.800	14.300	13.900	11.800	12.800	12.800	18.400	13.500	20.000	10.200	12.800	12.500
5	15.600	13.500	14.000	11.800	12.000	13.100	19.000	14.200	20.200	10.300	13.600	13.100
6	15.700	14.200	13.600	12.400	12.400	15.100	21.000	13.800	19.800	10.300	13.000	13.400
7	15.600	14.000	13.500	12.400	13.700	17.400	22.900	13.000	19.300	10.000	12.000	12.700
8	16.000	13.400	12.900	12.200	18.400	24.900	25.900	16.400	21.000	9.820	11.800	12.400
9	16.600	13.400	12.900	12.800	19.000	24.600	29.400	17.000	20.200	10.000	11.100	12.200
10	17.800	13.400	13.200	12.700	20.200	20.400	29.800	16.900	18.700	9.820	10.600	13.000
11	18.400	13.600	12.800	12.400	19.800	18.000	29.200	17.200	18.300	10.300	10.400	12.800
12	18.400	12.600	13.700	12.800	16.600	17.200	28.200	18.800	17.700	9.920	10.100	12.600
13	17.100	13.000	13.400	12.400	14.300	16.600	25.900	19.900	17.500	9.920	10.000	12.300
14	18.200	12.600	14.500	11.500	14.000	15.800	24.600	20.400	16.400	10.300	10.100	12.900
15	15.200	13.100	13.200	11.900	13.000	13.600	23.500	21.600	16.300	10.000	10.400	12.800
16	16.600	13.300	13.400	11.900	12.700	16.100	19.700	21.200	18.300	9.820	10.200	13.000
17	15.400	12.800	12.800	12.400	12.200	15.400	18.200	20.000	18.400	9.820	11.200	12.700
18	16.100	13.000	13.300	12.100	12.000	15.300	18.500	19.500	18.400	10.000	11.000	12.600
19	16.500	13.300	13.000	11.700	11.900	18.700	18.900	19.100	17.000	10.100	10.900	12.700
20	15.600	13.200	12.900	12.200	11.700	19.300	17.700	18.600	16.300	10.600	11.400	13.200
21	15.600	13.300	12.800	12.900	11.800	20.500	16.800	20.200	15.000	10.300	11.300	13.400
22	15.600	13.100	13.600	12.400	11.600	21.800	14.400	19.900	14.200	11.400	11.200	12.400
23	15.400	13.700	13.200	12.000	11.300	23.200	12.600	19.700	13.200	10.900	12.400	13.900
24	16.600	13.900	13.700	11.600	11.300	23.100	11.200	19.500	13.000	10.800	11.600	12.400
25	15.900	14.500	14.400	12.200	11.200	23.000	11.600	19.200	11.500	10.800	13.800	12.800
26	15.300	14.200	14.400	11.800	11.700	22.600	11.600	19.100	11.400	10.900	12.300	13.100
27	13.400	13.800	13.000	11.700	11.400	23.700	10.800	18.800	11.400	11.200	12.6	13.200
28	14.000	13.900	12.600	12.000	13.000	23.200	11.400	17.800	11.200	10.700	12.100	13.200
29	13.400	14.300	13.900	11.900	13.500	23.900	11.700	17.500	10.400	10.800	12.800	12.600
30	13.000	13.600	13.100	12.800		22.400	11.500	17.700	10.000	10.800	12.300	13.800
31	14.200		12.900	14.800		23.100		17.800		11.300	12.400	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Marietta, Pennsylvania
Operated by U.S. Geological Survey

STATE: Maryland

MAJOR BASIN: North Atlantic

SUB BASIN: Potomac River Basin

STATION LOCATION: Susquehanna River at Conowingo, Maryland

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	3.410	26.300	153.000	97.600	23.100	36.200	317.000	35.100	52.900	23.100	9.610	6.980
2	5.920	23.900	116.000	90.200	23.100	32.900	366.000	30.900	54.300	21.600	10.400	8.380
3	7.440	23.100	90.200	71.200	22.300	30.900	324.000	28.000	54.300	20.100	10.100	7.570
4	8.140	28.000	71.200	88.300	21.600	28.000	298.000	26.300	55.800	20.800	9.860	7.440
5	7.440	36.200	60.300	105.000	20.100	24.600	346.000	24.600	50.100	20.100	10.400	6.760
6	6.540	35.100	52.900	107.000	20.100	24.000	317.000	23.100	46.100	21.600	10.600	6.120
7	5.720	36.300	52.900	93.800	22.300	22.000	259.000	21.600	42.200	20.100	11.800	5.720
8	5.720	72.000	60.300	76.200	26.300	20.500	206.000	21.600	38.600	18.000	20.700	5.530
9	5.720	90.200	72.900	60.300	31.900	20.500	164.000	36.000	37.400	16.000	18.700	5.530
10	10.100	78.100	76.200	51.500	36.200	20.500	130.000	85.400	32.900	14.000	17.000	5.760
11	27.900	63.300	69.600	46.100	36.200	20.000	107.000	128.000	29.000	13.700	17.000	6.330
12	32.900	50.100	61.800	41.000	49.300	19.500	92.000	137.000	25.400	12.800	15.300	14.600
13	27.100	41.000	74.500	37.400	123.000	19.000	81.300	120.000	25.400	12.000	13.100	22.100
14	21.600	35.100	122.000	34.000	132.000	20.000	74.500	111.000	25.400	15.400	12.800	59.100
15	17.300	31.900	157.000	36.200	99.500	19.000	68.000	103.000	32.900	17.300	11.700	57.300
16	15.000	30.900	132.000	44.800	84.800	18.500	63.300	99.500	52.100	16.600	11.700	48.700
17	13.100	31.900	103.000	51.500	63.300	20.100	58.800	90.200	116.000	18.700	10.400	38.600
18	11.400	34.000	84.800	50.100	55.800	19.400	57.300	83.000	120.000	18.000	9.610	29.900
19	10.600	35.100	72.900	48.700	66.500	20.100	55.800	86.500	97.600	16.600	9.360	24.600
20	9.610	32.900	63.300	44.800	83.000	20.800	51.500	84.800	84.800	15.600	8.380	28.000
21	9.110	30.900	55.800	39.800	74.500	21.600	46.100	76.200	69.600	14.000	7.670	29.900
22	8.620	29.000	48.700	34.000	61.800	21.600	42.200	72.900	57.300	12.700	8.140	42.600
23	8.860	27.100	41.000	31.900	52.900	21.600	38.600	79.500	46.100	13.400	8.140	36.200
24	9.860	24.600	35.100	29.900	47.400	20.800	35.100	107.000	38.600	13.400	7.670	31.900
25	13.700	24.600	30.900	27.100	43.500	20.800	31.900	141.000	32.900	11.700	6.980	25.400
26	35.300	23.900	29.000	25.400	43.500	20.800	30.900	135.000	42.000	10.400	6.760	22.300
27	64.900	25.600	27.100	23.900	43.500	20.100	29.900	113.000	46.100	10.100	6.540	19.400
28	58.300	25.000	28.000	23.100	41.000	20.800	29.000	88.300	37.400	9.610	6.540	16.600
29	44.800	53.000	32.900	23.100	38.600	26.300	30.900	74.500	29.900	9.110	6.370	15.000
30	35.100	169.000	49.000	23.100		55.700	35.100	64.900	25.400	10.600	5.920	14.000
31	29.900		93.800	23.100		165.000		58.800		10.400	6.120	

STREAM FLOW DATA - 1950-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Waverly, New York
Operated by U.S. Geological Survey

STATE: Pennsylvania

MAJOR BASIN: North Atlantic

SUB BASIN: Susquehanna River-North Branch

STATION LOCATION: Susquehanna River at Sayre, Pennsylvania

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	.410	9.870	32.600	16.700	4.240	6.230	87.400	7.670	9.830	5.020	1.180	.832
2	.441	15.400	23.400	13.200	3.880	5.480	74.300	7.140	10.700	4.740	1.150	.858
3	.463	14.000	19.800	18.900	3.300	5.340	63.200	6.760	9.190	4.630	1.240	.845
4	.600	11.000	17.200	35.900	3.080	4.430	71.500	6.360	8.090	4.100	1.350	.832
5	.708	11.500	15.000	32.100	3.110	3.900	77.900	5.720	7.270	3.720	1.950	.858
6	.832	18.400	12.500	20.900	3.800	4.400	71.200	5.140	9.530	3.480	2.110	.806
7	2.310	36.000	14.100	14.800	6.320	5.000	58.900	4.570	10.000	3.360	1.630	.780
8	4.490	31.700	20.000	12.500	6.820	4.900	44.100	4.400	7.810	2.840	1.440	.744
9	7.400	22.800	21.400	10.800	6.450	4.600	33.200	4.460	6.050	2.510	1.330	.720
10	8.090	16.400	17.000	9.370	6.630	4.400	29.100	5.020	5.080	2.340	1.240	.756
11	6.110	12.900	14.000	8.230	30.200	4.000	26.300	5.250	4.350	2.150	1.470	.832
12	4.540	10.600	16.300	7.470	51.600	3.900	24.600	5.690	4.570	2.010	1.520	5.350
13	3.460	9.150	34.200	6.980	39.300	3.800	23.700	11.200	5.050	1.970	1.470	24.100
14	2.940	8.200	35.100	6.850	26.000	3.780	22.500	16.500	8.900	2.010	1.440	20.300
15	2.550	10.700	27.600	6.880	19.100	3.670	21.100	15.800	28.100	2.190	1.240	13.800
16	2.130	13.700	21.000	6.790	16.400	3.590	22.100	12.700	27.400	2.230	1.170	8.410
17	2.010	12.500	18.000	6.630	15.200	3.510	21.800	9.720	19.700	2.170	1.150	5.720
18	1.840	12.500	15.700	6.140	13.500	3.380	18.800	8.230	27.000	2.130	1.070	4.430
19	1.640	11.400	13.400	5.900	13.200	3.540	16.600	7.950	24.300	1.860	1.070	3.860
20	1.580	9.680	11.500	5.480	12.100	3.410	15.000	7.610	18.600	1.820	1.100	5.550
21	1.520	8.560	9.530	5.200	10.300	3.330	13.000	7.140	13.400	1.920	1.320	9.190
22	1.460	7.840	8.200	4.850	9.490	3.260	11.300	7.840	10.300	1.770	1.660	6.920
23	1.430	7.440	6.880	4.740	8.850	3.180	10.700	11.900	8.300	1.800	1.510	5.430
24	2.440	6.950	5.570	4.430	8.270	3.160	10.100	14.500	8.670	1.750	1.380	4.020
25	12.400	6.880	5.340	4.300	7.610	3.030	9.190	18.900	11.900	1.610	1.260	3.460
26	13.000	7.170	6.790	4.240	7.270	2.840	9.340	14.900	9.150	1.460	1.100	3.260
27	10.000	7.110	7.370	3.960	7.470	2.890	9.340	11.600	7.140	1.360	1.000	2.730
28	7.710	29.200	10.100	4.130	7.240	3.360	10.400	9.490	5.840	1.320	.949	2.460
29	6.360	51.600	28.600	4.540	6.880	6.700	9.830	7.810	4.820	1.260	.897	2.360
30	5.370	43.300	30.500	4.680		28.100	8.700	7.010	5.460	1.210	.858	2.270
31	4.630		22.000	4.430		68.800		7.300		1.240	.832	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station at Chattanooga, Tennessee
Operated by U.S. Geological Survey

STATE: Tennessee

MAJOR BASIN: Tennessee River

SUB BASIN: Tennessee Main Stem & Minor Trib.

STATION LOCATION: Tennessee River M465.3 TVA at Chattanooga, Tennessee

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	31.200	45.300	46.200	43.900	28.000	42.300	43.700	13.600	28.900	26.900	23.600	38.500
2	32.500	45.000	46.700	42.700	23.300	45.500	25.100	21.700	32.200	23.800	27.100	40.300
3	26.700	46.000	50.700	37.500	31.400	71.000	26.900	33.500	26.300	19.800	32.300	40.700
4	26.000	37.600	56.700	44.000	32.300	83.700	20.100	34.200	21.100	19.100	28.400	38.100
5	36.500	43.400	57.000	43.800	34.900	74.000	24.200	24.000	16.900	20.400	31.600	39.200
6	39.600	44.200	56.900	45.600	30.300	54.900	28.300	19.400	22.200	28.700	22.700	39.500
7	37.000	44.800	55.000	49.600	38.200	45.900	33.800	14.500	26.000	27.800	20.200	39.500
8	38.600	44.300	51.600	50.600	37.300	45.000	40.000	11.000	23.800	21.400	22.200	40.400
9	29.000	45.600	51.000	50.500	39.100	44.200	23.800	18.800	22.900	28.000	31.800	40.300
10	29.700	45.600	50.700	63.000	39.100	44.200	23.900	21.900	26.500	16.100	29.600	40.100
11	31.800	43.100	51.400	48.000	40.300	44.500	27.300	23.900	23.400	31.300	24.500	39.400
12	33.200	45.300	58.600	47.500	44.300	32.600	29.300	33.100	19.700	24.800	26.900	39.100
13	31.900	44.400	67.300	49.500	41.700	37.700	31.800	29.000	21.700	23.800	24.800	39.000
14	30.700	42.900	72.300	51.000	41.500	39.200	28.400	20.300	25.100	26.800	14.800	39.700
15	41.600	44.500	64.600	53.500	41.200	41.600	27.300	16.700	26.400	31.700	28.000	40.500
16	39.900	43.200	57.600	52.500	45.200	35.600	18.200	17.000	29.300	27.900	29.800	42.100
17	41.000	44.500	53.900	50.000	45.500	39.300	11.900	20.700	33.100	10.600	30.800	43.300
18	38.800	39.200	59.500	46.000	43.500	46.300	15.300	23.700	32.500	20.000	27.000	43.100
19	41.000	44.000	89.900	43.000	55.400	45.600	34.100	23.600	16.800	22.500	26.400	41.700
20	31.000	43.500	106.000	43.500	73.200	43.900	35.600	19.600	22.600	25.000	28.800	40.200
21	34.300	37.900	95.400	43.000	63.700	32.500	27.200	14.700	33.600	25.000	34.000	40.700
22	41.700	19.500	86.000	43.000	52.900	33.900	13.300	17.000	34.300	21.700	31.200	41.900
23	45.000	23.200	82.000	43.500	52.700	37.700	22.500	19.800	36.400	20.700	27.300	42.900
24	44.900	31.800	57.900	43.500	52.800	35.900	13.200	27.900	40.900	11.400	21.100	43.600
25	45.400	41.700	56.100	39.500	51.700	29.600	15.900	26.500	29.400	18.700	28.200	19.400
26	45.700	39.800	56.200	44.000	49.700	27.100	14.400	19.900	22.300	22.600	26.400	34.000
27	43.400	43.800	55.500	39.500	48.500	24.800	22.500	24.400	30.000	25.800	27.500	35.600
28	44.300	39.300	56.300	36.000	48.300	24.100	17.600	22.300	24.600	30.300	33.300	37.100
29	43.800	42.600	51.100	39.500	41.100	20.600	25.200	15.800	27.600	29.000	36.400	42.000
30	44.900	44.400	44.700	29.500		26.300	14.500	18.500	30.700	24.100	40.100	38.800
31	45.400		44.300	27.500		44.900		27.400		12.500	39.600	

STREAM FLOW DATA - 1959-1960

Thousand Cubic Feet per Second

PROVISIONAL--SUBJECT TO REVISION

Gaging Station near Sidney, Montana
Operated by U.S. Geological Survey

STATE Montana

MAJOR BASIN Missouri River

SUB BASIN Yellowstone River

STATION LOCATION Yellowstone River M30 at Sidney, Montana

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	7.610	8.430	9.500	4.500	6.000	3.700	9.580	6.200	6.790	11.800	3.630	3.230
2	7.750	8.370	9.000	4.000	6.200	3.500	9.000	5.920	7.230	10.600	3.550	2.950
3	7.810	8.430	8.400	3.000	6.700	3.200	8.520	5.760	8.400	9.900	3.570	2.700
4	7.690	8.370	8.300	2.500	6.800	3.100	8.010	5.710	11.500	9.200	3.690	2.460
5	7.580	8.370	8.200	2.000	6.800	3.000	7.490	5.660	14.000	8.750	3.060	2.290
6	7.520	8.460	7.900	2.000	6.700	3.000	7.160	5.630	17.600	8.590	2.930	2.240
7	7.550	8.340	7.500	2.000	6.700	3.000	6.800	5.940	22.600	8.370	2.920	2.190
8	7.550	7.980	7.000	2.000	6.600	3.200	6.420	6.330	23.700	7.720	2.950	2.120
9	7.690	7.610	6.000	2.500	6.600	3.500	6.320	6.500	22.400	7.060	2.900	2.120
10	8.010	7.350	5.300	3.000	6.500	4.000	6.370	6.230	22.500	6.500	2.920	2.150
11	7.870	6.000	5.000	4.000	6.500	4.500	6.530	6.100	23.400	6.000	2.920	2.160
12	7.660	4.000	6.500	4.500	6.500	5.000	7.070	5.530	24.000	6.130	2.930	2.260
13	7.960	3.100	7.000	5.000	6.500	6.000	7.320	5.580	26.600	6.000	2.970	2.290
14	8.070	2.500	7.000	5.500	6.400	6.700	7.520	5.810	29.800	5.610	2.930	2.460
15	8.010	2.000	7.000	6.000	6.400	7.100	8.040	6.520	27.000	5.580	2.740	2.540
16	8.160	1.700	6.800	6.500	6.300	8.000	7.750	11.200	25.500	5.200	2.640	2.490
17	7.980	1.500	6.600	6.000	6.100	7.500	7.350	14.300	26.200	4.750	2.490	2.570
18	7.840	1.500	6.400	5.500	6.000	7.000	7.040	13.200	27.100	4.480	2.320	2.640
19	7.750	2.000	6.100	5.000	5.800	10.000	6.580	11.900	29.200	4.350	2.230	2.720
20	8.490	2.500	5.800	4.600	5.500	30.000	6.420	10.700	27.800	4.190	2.480	2.920
21	8.850	3.000	5.400	4.400	5.200	50.000	6.080	9.430	27.600	4.000	4.150	3.650
22	8.340	4.000	5.300	4.000	5.000	53.000	5.930	8.340	24.000	3.670	5.030	3.750
23	8.040	6.000	5.100	3.800	4.900	49.000	5.750	7.390	24.200	3.510	5.280	3.670
24	7.930	7.500	5.000	3.500	4.800	44.400	5.580	6.470	22.400	3.150	4.940	3.730
25	8.040	8.300	5.000	3.400	5.000	26.400	5.710	5.480	19.400	2.990	4.750	3.650
26	8.070	9.500	5.000	3.200	5.500	19.000	6.130	5.160	17.000	2.900	4.570	3.790
27	7.930	10.500	5.200	3.500	5.000	14.400	6.100	5.710	15.200	2.830	4.110	4.280
28	7.840	11.000	5.500	4.000	4.500	12.400	6.310	6.310	14.000	2.830	3.940	4.910
29	8.100	11.500	5.500	4.500	4.000	11.200	6.950	7.200	13.800	2.880	3.860	4.520
30	8.490	10.500	5.500	5.000		10.300	6.790	6.930	13.000	3.060	3.750	4.350
31	8.700		5.000	5.500		10.100		6.410		3.670	3.490	

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